ULAR ROCK AND ALPINE PLANTS.

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— POPULAR —

ROCK AND ALPINE PLANTS.

AN ALPHABETICAL LIST OF BULBS, PLANTS,
SHRUBS, ETC., SUITABLE FOR CULTIVATION IN
THE ROCK GARDEN, INCLUDING THEIR
BOTANICAL AND COMMON NAMES ;
ALSO
PARTICULARS AS TO THE SOIL AND SITUATION
IN WHICH THEY FLOURISH.

BY
SIR J. L. COTTER,
F.R.H.S., F.N.C.S.

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PREFACE.

Rock Gardening bids fair to become the most popular of all branches of Horticulture. The reason why is not far to seek. The Rock Garden is a hobby, and an enthralling one, which is within the reach of all. It should especially appeal to those who only possess a very small space in which to indulge their love of flowers ; because space which could not possibly give satisfaction as an ordinary garden can with care and forethought make a very delightful Rock Garden, capable of accommodating several hundreds of plants, which will prove an everlasting source of enjoyment and occupation to their possessor. Another plea on behalf of the Rock Garden, if one is needed, is that the time comes to all of us when, through infirmity, or the weight of years, we can no longer do the work of the ordinary garden. Then the Rock Garden especially appeals. Once the actual work of construction is completed, there remains no heavy physical toil. Only the lightest physical labour is necessary to make the Rock Garden give us a very bountiful return for the care we bestow on it.

A FEW WORDS ON THE CONSTRUCTION AND PLANTING OF A ROCKERY.

CONSTRUCTION.—In a book of this size I propose to touch very briefly on the building of the Rock Garden.

First, a plentiful supply of stone is the chief requisite. Any kind will do except a very hard sort, such as granite, but sandstone, being porous, is perhaps the most preferable. The size of the stones will be in proportion to the size of the Rockery. One thing, however, let me impress upon you; that the main foundation stones, and any stones on which it is necessary to stand to tend the plants, must be of such a size, and so placed, as not to move when a heavy person stands on them. After stone, provide yourself with a plentiful supply of grit, both limestone and sandstone; plenty of good soil, sand and peat.

Now with regard to the kind of Rockery which it is proposed to build, the individual's taste and the space at his disposal must bear an important part. I personally think the most beautiful I have ever seen was a large sunk valley; but this sort is only practicable where space and cost are of no consequence. In the small garden, rock beds, either singly or in groups, with

small paved paths (in the crevices of which many things such as the Saxifrages flourish) winding in and out among them, give an excellent effect. Next, I will take what I will call the bank form of Rock Garden. This can either be made on the flat ground, or an existing slope or bank may be readily converted; when properly constructed and planted with care, this is a beautiful type of Rock Garden. A good specimen of this type is shown on page 62; then there is the Wall Garden, made by building a dry wall against a bank and using earth instead of mortar. This type of Rock Garden is particularly suitable for the more delicate Androsaces, and some other rare plants which dislike water lodging on their crowns.

Now having got our materials, we will talk about the actual making of the Rockery. The valley type we may leave out as being beyond the scope of most people. The construction of the rock bed and rock bank are similar. I think here I cannot do better than direct you to follow the methods that have been used by me with very excellent results. Drainage is the most important point to keep before you. Dig out the site for your Rockery at least three feet deep, and fill this space with broken stones. Now lay your foundation stones in position, and in doing this take care that your lines, whether for the bed or the border, are as irregular as possible. I consider this a very important point. Nothing looks worse than a straight edge in a Rockery—nothing more beautiful than a series of bays, both shallow and deep, which also give the required aspect for every kind of Rock Plant. Next, with a mixture of good loam, leaf mould, plenty of sandstone chips, and sand, fill up to the level of the

top of your foundation stones. Then place stones in positions that will form pockets of different sizes, giving every sort of aspect. Continue your Rockery in this way to the required height. A very good example is seen on page 37. One thing, be sure that your foundation stones are firm and well placed, and that here and there in the Rockery there are stones similarly placed to make the attention of individual plants easy. Before planting give the soil plenty of time to settle.

PLANTING.—This can be carried out at any time of the year, provided plants are obtained in pots; otherwise April or September are the best months. Personally I prefer April; at any rate for those plants which are dormant in the winter. I have found sometimes that if moved into their new quarters in the autumn, plants which are dormant in the winter are inclined to rot. In the spring, when starting into growth, this never happens. As to the actual planting, first make sure of the requirements as to soil and position of your plants. For those requiring other than ordinary garden soil, with your trowel remove sufficient soil to allow for the growth of the plant roots, spread the roots carefully and fill up the hole with the proper mixture. Be sure to make the soil very firm. If plants are received in pots, be sure to break the firm ball before planting. Those plants, such as the *Androsaces*, some of the *Campanulas*, and the *Encrusted Saxifrages* do best jammed in the fissures where the stones touch each other. Keep lime-loving plants away from those which do not like lime, as lime to the latter generally proves fatal. Some people go as far as advocating the growing of only lime-loving or only loam and peat-loving plants in the one Rockery. Personally

I think this a pity, as there are so many gems in each class, and if care is exercised in choosing positions for them, no harm accrues.

CHOICE OF PLANTS.—I do not propose to give long lists of plants here, as we all have different ideas as to what constitutes charm and beauty ; but I earnestly recommend the reader, if he is a beginner, that he starts with the varieties that will grow in any ordinary soil, such as the Alyssums, Armeria, Campanulas (like muralis, carpatica and its varieties), Hutchinsia alpina, the different Thymes, Rock Cresses and Veronicas, and for a time, while gaining experience in the care of these, avoid some of the more difficult subjects, such as the Androsaces, some of the Gentians and Primulas, to mention a few. He will find that by gradually increasing his knowledge while tending his plants, and adding to his collection by degrees, he will in time be able to grow anything that the climatic conditions of his neighbourhood will allow.

POPULAR ROCK & ALPINE PLANTS.

ABRONIA (Sand Verbena). Ord. NYCTAGINACEÆ. Half-hardy trailing plants. Soil, sandy loam, well drained; sunny position on rockery. Varieties cultivated:

arenaria, lemon-yellow, July, 9-18 ins.

fragrans, white, July, 12-24 ins.

umbellata, rosy pink, June and July, 6-18 ins.

ACÆNA (New Zealand Bur). Ord. ROSACEÆ. Hardy perennials, trailing. Soil, ordinary; sun or shade. Varieties cultivated:

adscendens, purple.

Buchanani, dark green.

microphylla, dark green, with crimson spines.

Novæ Zealandicæ, bronze green.

pulchella, bronze.

sarmentosa, bronze green.

sericea, bright green.

splendens, hairy foliage; bear burs in July and August.

ACANTHOLIMON (Prickly Thrift). Ord. PLUMBAGINACEÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

aceroseum, rose, July and August, 6 ins.

glumaceum, rose, July, 6 ins.

Kotschyi, white, July, 6 ins.

venustum, pink, July and August, 6 ins.

ACHILLEA (Milfoil or Yarrow). Ord. COMPOSITÆ. Hardy perennials. Soil, ordinary, with a little sand; well drained sunny position on rockery or wall. Varieties cultivated:

Ægyptica, yellow, summer, 12-18 ins.

ageratoides, white, May-June, 6 ins.

Argentea, white, July, 6 ins.

atrata, white, summer, 6 ins.

Clavennæ, white, summer, 6 ins.

Huteri, white, summer, 4-6 ins.

moschata, white, summer, 6 ins.

rupestris, white, fragrant foliage, June-July, 6-8 ins.

sericea, white, June-July, 6-8 ins.

serrata, white, summer, 12 ins.

tancetifolia, yellow, summer, 16 ins.

tomentosa, yellow, summer, 6 ins.

umbellata, white, June, 4 ins.

ACIPHYLLA (Spear Grass or Bayonet Grass). Ord. UMBELLIFERÆ. Hardy perennials, evergreen. Soil, sandy on rockery. Varieties cultivated :

Colensoi, white, summer, 6 ins.

Lyalli, 6 ins.

squarrosa, white, summer, 6 ins.

ACIS. Ord. AMARYLLIDACEÆ. Soil, sandy loam, well drained ; sunny sheltered position on rockery. Variety cultivated :

autumnalis, small bulb, with drooping pink flower.

ACTINELLA (Pigmy or Dwarf Sunflower). Ord. COMPOSITÆ. Hardy perennial. Soil, light sandy ; on rockery. Variety cultivated :

grandiflora, yellow, summer, 6 ins.

ADONIS (Pheasant's Eye ; Ox-Eye). Ord. RANUNCULACEÆ. Hardy perennials. Soil, loam, peat and sand ; sunny moist position on rockery. Varieties cultivated :

Amurensis, yellow, January, 12 ins.

Amurensis flore pleno, May–August.

pyrenaica, yellow, July, 12 ins.

vernalis, yellow, March–May, 9 ins.

ÆTHIONEMA (Lebanon Candytuft). Ord. CRUCIFERÆ. Soil, ordinary, gritty, well drained ; sunny position on rockery. Varieties cultivated :

cordifolium, rose, June, 3 ins.

grandiflorum, rose, May, 12 ins.

heterocarpum, purple, July, 6 ins.

iberidium, white, May–June, 4 ins.

pulchellum, purple, May, 6 ins.

Warley Rose, bright pink, summer, 6 ins.

AJUGA (Bugle Plant ; Gout Ivy). Ord. LABIATÆ. Soil, ordinary ; sun or shade, on rockery. Varieties cultivated :

Brockbanki, deep blue, June to August, 6 ins.

genevensis, blue, rose and white, June, 6 ins.

metallica crispa, dark blue flowers crinkled leaves, summer, 6 ins.

orientalis, blue, June, 12–18 ins.

pyramidalis, variety of preceding, but with denser spikes.

reptans, blue flowers, purple foliage, May–June, 6 ins.

reptans alba, pure white form of preceding.

reptans variegata, light blue flowers, silver variegated leaves, tinted pink in spring.

ALYSSUM (Gold Dust ; Golden Dust ; Rock Madwort). Ord. CRUCIFERÆ. Soil, a mixture of loam, lime and sand, well drained ; sunny position on rockery or wall. Varieties cultivated :

alpestre, yellow, June, 3 ins.

gemenense, yellow, spring, 12 ins.

montanum, bright yellow, fragrant, May–June, 4 ins.

ALYSSUM—CONTINUED.

olympicum, yellow, summer, 2-3 ins.

orientale, yellow, May, 12 ins.

pyrenaicum, white, summer, 8-10 ins.

saxatile, yellow, April-June, 15 ins.

saxatile citrinum, sulphur-yellow, April-June, 6-12 ins.

saxatile compactum flore pleno, double yellow April-June, 12 ins.

serpyllifolium, yellow, June, 3 ins.

spinosum, white, June, 3-4 ins.

Wiersbeckii, yellow, summer, 18 ins.

Wulferiana, golden-yellow, summer, 3 ins

Androsace sarmentosa.

ANCHUSA (Alkanet). Ord. BORAGINACEÆ. Soil, mixture of loam, leaf mould and sand; partly shaded, moist position on rockery. Variety cultivated:

myosotidiflora, bright blue, May-June, 12 ins.

ANDROSACE (Rock Jasmine). Ord. PRIMULACEÆ. Soil, sandy peat and loam, mixed with small pieces of limestone; sunny position in rockery, in fissures of stones, or under ledges. Varieties cultivated:

carnea, pink, March-April, 3 ins.

— **chamæjasme**, white, April-May, 3 ins.

ANDROSACE—CONTINUED.

- Chumbyi**, rose-pink, June–July, 3 ins.
foliosa, flesh-pink, June, 4 ins.
lanuginosa, pale pink, trailer, May–October.
primuloides, bright rose, June–July, 4 ins.
sarmentosa, pink, May, 4 ins.
sempervivoides, purple, May, 3 ins.
villosa, rose, May, 3 ins.
vitaliana, yellow, June–July, 3 ins.

ANEMONE (Windflower). Ord. RANUNCULACEÆ. Hardy herbaceous and tuberous-rooted perennials. The following varieties are suitable for cultivation in the rockery :

- alpina**, soil deep loam, white, May–July, 12–24 ins.
angulosa, loam, blue, April–May, 6–9 ins.
hepatica, in variety ; loam and leaf mould ; red, white and blue, March–April, 6–9 ins.
pulsatilla, loam and chalk, purple, April–May, 12–18 ins.
sylvestris, moist loam, white, April–June, 12–18 ins.
vernalis, peat and leaf mould, pink and white, April–May, 4–6 ins.

ANTENNARIA (Cat's Ear). Ord. COMPOSITÆ. Hardy herbaceous perennials. Soil, ordinary with sand ; sunny position on rockery. Varieties cultivated :

- dioica**, pink, June, 3 ins.
tomentosa, white, May–June, 6 ins.

ANTHEMIS (Chamomile). Ord. COMPOSITÆ. Hardy herbaceous perennials. Soil, ordinary ; partial shade, on rockery. Varieties cultivated :

- aizoon**, white flower, silver foliage, May–June, 6 ins.
macedonica, white, June, 6–8 ins.
montana, white foliage and flowers, June–August, 8 ins.
nobilis (Common Chamomile), white, August, 12 ins.
tinctoria, white, August, 18–24 ins.
tinctoria hybrids, pretty shades of white and yellow June–September, 24 ins.

ANTHYLLIS (Kidney Vetch). Ord. LEGUMINOSÆ. Hardy perennials. Soil, sandy loam ; sunny, well drained position on rockery. Varieties cultivated :

- montana**, pink, June, 3–6 ins.
montana alba, white, June–July, 6 ins.
vulneraria, yellow, June–August, 6–12 ins.

ANTIRRHINUM (Snapdragon). Ord. SCROPHULARIACEÆ. Hardy perennials. Soil, sandy loam ; sunny well drained position on rockery or wall. Variety cultivated :

- Asarina**, creamy yellow flowers, May–September, 6 ins. This variety is a trailing Snapdragon.

AQUILEGIA (Columbine). Ord. RANUNCULACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; well drained, sunny moist position on rockery. Varieties cultivated:

- alpina**, blue and white, May-July, 12-18 ins.
- cœrulea**, blue and white, May-July, 6-12 ins.
- flabellata alba**, greenish white, May-July, 9 ins.
- glandulosa vera**, blue and white, April-June, 12 ins.
- olympica**, blue and white, April-May, 18 ins.
- pyrenaica**, lilac-blue, April-June, 9-12 ins.
- Stuartii**, blue and white, June, 9 ins.

ARABIS (Wall Cress; Rock Cress). Ord. CRUCIFERÆ. Hardy perennial trailing plants. Soil, ordinary, with sand; sunny, well drained position on rockery, preferably planted in fissure; also good wall plant. Varieties cultivated:

- albida**, white, spring, 6-9 ins.
- albida flore pleno**, double white, spring, 6 ins.
- alpina**, white, March, 6 ins.
- arenosa**, rose, May, 6 ins.
- argentea variegata**, a fine golden variegated form.
- blepharophylla**, purple, February, 6 ins.
- lucida**, yellow-edged leaves, May, 6 ins.

ARENARIA (Sandwort). Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, loam, sand and sandstone grit for all varieties except Montana, which does better in loam, leaf mould and sand. Well drained sunny position on rockery, in fissure or in wall. Varieties cultivated:

- balearica**, white, June, 2-3 ins.
- cæspitosa**, white, May-June, 3 ins.
- Gothica**, white, summer, 2 ins.
- grandiflora**, white, summer, 6 ins.
- montana**, white, April-June, 6 ins.
- purpurascens**, pink, May-June, 6 ins.
- verna**, white, June, 2 ins.

ARMERIA (Thrift; Sea Pink). Ord. PLUMBAGINACEÆ. Hardy perennials. Soil, loam, leaf mould and sand. Varieties cultivated:

- cæspitosa**, rose, June, 2 ins.; likes the addition of limestone grit to above soil mixture.
- formosa**, lilac, May-June, 4 ins.
- latifolia** (syn. *Cephalotes rubra*), crimson, June, 6-12 ins.
- laucheana**, crimson, May-July, 9 ins.
- maritima**, pink, May-June, 4 ins.
- maritima alba**, a white variety of the foregoing.
- mauritanica**, rose, July, 18-24 ins.
- plantaginea splendens**, rose, June, 18 ins.

ARNEBIA. Ord. BORAGINACEÆ. Hardy perennial. Soil, ordinary; sunny position on rockery. Variety cultivated:

- macrothyrsa**, yellow, summer, 12 ins.

ARTEMESIA (Wormwood). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

alpina, yellow, summer, 6 ins.

argentea, yellow, July, 6 ins.

cerisia, white, July–August, 12 ins.

lanata, silvery leaved, summer, 6 ins.

Ludovicana, yellow, fragrant leaves, July–August, 12 ins.

pedemontana, yellow, white leaves, July, 6 ins.

ASPERULA (Woodruff). Ord. RUBIACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; sunny position on rockery. Varieties cultivated:

Arcadiensis, pink, April, 3 ins.

cyananchica, white, June, 9 ins.

Gussoni, pink, summer, 2 ins.

odorata, white, sweet scented, May–June, 6 ins.

suberosa, grey woolly foliage, with tiny pink trumpets, July–August, 3 ins.

taurina, branching spikes of white flowers, May–July, 6 ins.

ASPLENIUM (Spleenwort; Lady Fern). Ord. FILICES. Soil, loam, leaf mould, peat and sand in equal parts, with the addition of old mortar rubble; shady part of rockery or wall. Varieties cultivated:

Germanicum; **lanceolatum**; **Ruta-muraria**; **septentrionale**; **Trichomanes**; **viride**.

ASTER (Starwort). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. The following varieties are suitable for rockery, flowering May–July. All about 9 inches high:

alpinus, purple, deep orange centre.

alpinus alba, white.

alpinus superbus, blue-purple.

magnifica, large purple.

Mauve Queen, mauve.

roseus, rose-pink.

sub-cæruleus, light purple.

ASTRAGALUS (Milk Vetch). Ord. LEGUMINOSÆ. Hardy perennials. Soil, ordinary; sunny or shady position on rockery. Varieties cultivated:

onobrychioides, purple, July, 9–12 ins.

vimineus, purple, rose and white, June, 6–12 ins.

ATRAGENE (Clematis). Ord. RANUNCULACEÆ. Hardy perennial trailers. Soil, loam. Varieties cultivated:

alba, white, July.

alpina, blue, July.

AUBRIETIA (Purple Rock Cress). Ord. CRUCIFERÆ. Hardy perennial trailer. Soil, sandy loam; well drained sunny position on rockery or wall. For varieties, see any Trade List.

BELLIS (Daisy). Ord. COMPOSITÆ. Hardy perennials. Soil, ordinary; moist position, sun morning and afternoon. Varieties cultivated:

Alice, salmon-pink, quilled, May-June, 6 ins.

Dresden China, deep pink, May-July, 4 ins.

minutum, white, May-August, 4 ins.

• **perennis monstrosa alba**, double white, 6 ins.

perennis monstrosa rosea, double pink.

CALAMINTHA (Basil Thyme). Ord. LABIATÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Variety cultivated:

grandiflora, rose, marked crimson, fragrant, May-June, 12 in.

CALANDRINIA (Rock Purslane). Ord. PORTULACÆ. Hardy perennials. Soil, loam and leaf mould, with a little well decayed manure; sunny position on rockery. Varieties cultivated:

discolor, rose, summer, 18 ins.

grandiflora, rosy red, summer, 12 ins.

Menziesii, crimson, summer, 12 ins.

CALCEOLARIA (Slipperwort). Ord. SCROPHULARIACÆ. Hardy perennial. Soil, sandy loam; sunny moist position on rockery. Variety cultivated:

polyrhiza, yellow, spotted brown, June-August, 12 ins.

CALOPOGON (Grass Pin; Orchis). Ord. ORCHIDACÆ. Hardy herbaceous orchid. Soil, loam and peat; moist sheltered position on rockery. Varieties cultivated:

multiflorus, purple, summer, 12 ins.

pulchellus, purple, July, 18 ins.

CAMPANULA (Bell Flower). Ord. CAMPANULACÆ. Hardy perennials. Soil, loam, leaf mould and sand; well drained sunny position on rockery. *Muralis* does very well in wall. Add lime-stone grit to the soil for the *Garganica* varieties. Varieties cultivated:

abietina, purple, flushed red, July-August, 9 ins.

alliariefolia, yellow, June, 18 ins.

Allioni, blue, July, 3 ins.

alpina, blue, July, 6 ins.

Balchiniana, blue, July, 6 ins.

barbata, blue, June, 12 ins.

cæspitosa, blue, summer, 6 ins.

CAMPANULA—CONTINUED.

cæspitosa alba, white variety of foregoing.

carpatica, blue, summer, 12 ins.

carpatica alba, white variety of foregoing.

carpatica, Isabel, deep blue, July–August, 12–18 ins.

carpatica, White Star, saucer-shaped, July–August, 18 ins.

cenisia, pale blue, June–July, 4 ins. Add gravel to soil for this variety.

G. F. Wilson, deep purple, wide bells, June–July, 4 ins.

garganica, deep blue, with white eye, June–August, 4 ins.

garganica alba, white stars, June–August, 4 ins.

Campanula muralis.

garganica erinus, pale blue, white eye, June–August, 4 ins.

Haylodgensis, sky-blue, July–August, 6 ins.

Hendersoni, shades of blue, violet and purple, June–August, 6 ins.

isophylla, lilac-blue, July, 3–6 ins.

isophylla alba, white variety of foregoing.

muralis, lavender-blue, summer, 6 ins.

muralis bavarica, larger blue, summer, 6 ins.

planiflora, blue, July–August, 6 ins.

Profusion, pale blue, summer, 6 ins.

pulla, deep purple narrow bells, summer, 6 ins.

pulla, G. F. Wilson, large purple bells, very free flowering, June–September, 4 ins.

pulloides, deep purple, June–July, 9 ins.

CAMPANULA—CONTINUED.

pusilla, pale blue, July–August, 9 ins.

pusilla alba, white variety of the foregoing.

pusilla, **Miss Willmott**, lavender-blue, July–August, 4 ins.

raddeana, purple flowers on wing stems, July–August ; 12 ins.

Raineri, blue, July, 4 ins. Add limestone grit for this variety.

rotundifolia, blue, July–August, 12 ins.

rotundifolia Hostii, rich violet, July–August, 12 ins.

Stansfieldii, deep blue, July, 3–4 ins. Add grit for this variety.

Stevensi nana, pale blue, May–July, 6 ins.

Waldsteiniana, lilac-blue, July, 2–3 ins. Admirable for chinks in rocks.

CARDAMINE (Cuckoo Flower). Ord. CRUCIFERÆ. Hardy perennials. Soil, stiff loam, leaf mould and peat ; well drained shady position on rockery. Varieties cultivated :

asarifolia, white, May, 12 ins.

pratensis, purple, April, 9 ins.

pratensis flore pleno, double, lilac, April, 9 ins.

CERASTIUM (Snow in Summer). Ord. CARYOPHYLLACEÆ. Soil: sandy loam ; sunny well drained position on rockery or wall. Varieties cultivated :

alpinum, white. June, 3–4 ins.

Biebersteinii, white, June, 6 ins.

Boissieri, white, June, 8–9 ins.

grandiflorum, white, July, 6 ins.

tomentosum, white, May, 6 ins.

CERATOSTIGMA (Leadwort). Ord. PLUMBAGINÆÆ. Hardy perennial. Soil, sandy loam ; sunny position on rockery. Variety cultivated :

plumbaginoides, blue, autumn, 12 ins.

CHEIRANTHUS (Wallflower). Ord. CRUCIFERÆ. Hardy perennials. Soil, sandy loam ; well drained sunny position on rockery or top of wall. Varieties cultivated :

Allioni, orange, May–August, 9 ins.

alpinus, yellow, May, 6 ins.

linifolia, pale lilac, spring, 6–9 ins.

mutabilis, purple-yellow, spring, 6–9 ins.

CHIMAPHILA (Ground Holly). Ord. ERICACEÆ. Hardy perennials. Soil, two parts leaf mould, one sand ; shady position on rockery. Varieties cultivated :

maculata, pink and white, June, 6 ins.

umbellata, white and pink, June, 6 ins.

CHIONODOXA (Glory of the Snow). Ord. LILIACEÆ. Hardy deciduous bulbous plants. Soil, sandy loam ; sunny, well drained position on rockery. Varieties cultivated :

- cretica**, blue and white, March, 6 ins.
- gigantea**, and **grandiflora**, violet, March, 6 ins.
- Imoli**, blue and white, April, 6 ins.
- Luciliæ**, blue and white, March, 6 ins.
- nana**, white and lilac, April, 6 ins.
- Sardensis**, blue, March, 6 ins.

CHRYSOGONUM (Golden Knee). Ord. COMPOSITÆ. Soil, equal parts loam, leaf mould and peat ; shady moist position on rockery. Variety cultivated :

- virginianum**, golden-yellow, summer, 6 ins.

CISTUS (Rock Rose). Ord. CISTACEÆ. Hardy evergreen shrubs. Soil, ordinary ; sunny positions on rockery. In the North sometimes requires protection in very cold weather. Varieties cultivated :

- albidus**, white, 2 ft.
- algarvense**, yellow, with black spots, 2 ft.
- andreas**, brown and yellow, 2 ft.
- Ardoigni**, yellow, prostrate.
- cœris**, pure white, yellow centre, 2 ft.
- crispus**, purple, 2 ft.
- cyprius**, white, 4 ft.
- florentinus**, white, 4 ft.
- Kewensis**, cream, prostrate.
- ladaniferus**, white, 4 ft.
- ladaniferus albiflorus**, white, 4 ft.
- ladaniferus maculatus**, white and purple, 4 ft.
- laurifolius**, white, 4 ft.
- præcox**, white, 2 ft.
- purpureus**, purple, 2 ft.
- purpureus incarnatus**, purple, prostrate.
- Sunset**, bright rosy carmine, 2 ft.

CONANDRON. Ord. GESNERIACEÆ. Hardy perennial. Soil, peat and loam in equal parts ; sheltered moist position on rockery. Plant in fissures, and protect in very severe weather with a mulch of litter. Variety cultivated :

- Ramondioides**, pink, summer, 12 ins.

CORNUS (Bunch Berry). Ord. CORNACEÆ. Hardy perennial. Soil, peat ; moist position on rockery. Variety cultivated ;

- canadensis**, purplish white, May, 6 ins.

CORONILLA (Crown Vetch). Ord. LEGUMINOSÆ. Hardy perennials. Soil, ordinary ; sunny position on rockery. Varieties cultivated :

- cappadocica**, yellow, July, 6 ins.
- emeroides**, yellow, May, 6 ins.

CORONILLA—CONTINUED.

iberica, golden-yellow, June–July, trailer.

minima, yellow, June, 6 ins.

varia, pink and white, June, trailer.

CORTUSA (Bear's Ear Sanicle). Ord. PRIMULACEÆ. Hardy perennials. Soil, sandy peat; shady position on rockery. Varieties cultivated:

matthioli, red, April, 12 ins.

matthioli grandiflora, purple, April, 18 ins.

pubens, magenta, May, 6 ins.

CORYDALIS (Fumitory). Ord. FUMARIACEÆ. Hardy perennials. Soil, loam and leaf mould; well drained, sunny moist position on rockery, or in fissures in walls. Varieties cultivated:

bulbosa, purple, April, 6 ins.

cheilanthifolia, yellow, April–August, 12 ins.

Ledebouriana, purple, summer, 12 ins.

lutea, yellow, May, 12 ins.

lutea alba, white variety of foregoing.

nobilis, yellow, May, 12 ins.

tuberosa, purple, March, 6 ins.

CREPIS (Hawk's Beard). Ord. COMPOSITÆ. Hardy perennial. Soil, sandy loam; sunny position on rockery. Variety cultivated:

aurea, orange, autumn, 12 ins.

CRUCIANELLA (Crosswort). Ord. RUBIACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery or in fissure in wall. Varieties cultivated:

stylosa, pink, July–August, 6 ins.

stylosa coccinea, scarlet, summer, 6 ins.

stylosa purpurea, summer, 6 ins.

CRYPTOGRAMME (Parsley Fern). Ord. FILICES. Hardy deciduous ferns. Soil, loam and peat, with plenty of grit—no lime in; cool moist position on rockery. Varieties cultivated:

crispa, 3–6 ins.

crispa acrostichoides, 6–8 ins.

CYANANTHUS. Ord. CAMPANULACEÆ. Hardy perennials. Soil, equal parts loam, leaf mould, peat and sand; sunny position on rockery in crevices. Varieties cultivated:

incanus, azure-blue, August, 3–4 ins.

lobatus, purplish blue, August, 4 ins.

CYCLAMEN (Sowbread). PRIMULACEÆ. Hardy tuberous-rooted perennials. Soil, rich sandy loam, with plenty of leaf mould; sheltered shady positions on rockery. Varieties cultivated:

Africanum, red and white, autumn, 6 ins.

Coum, red, February and March, 4 ins.

CYCLAMEN—CONTINUED.

Europæum, red, autumn, 4 ins.

ibericum, red, February and March, 3 ins.

Libanoticum, pink and white, January–February, 6 ins.

Neapolitanum, red, autumn, 4 ins.

Neapolitanum album, white variety of foregoing.

repandum, rosy red, March–May, 4 ins.

CYPRIPEDIUM (Lady's Slipper; Mocassin Flower). Ord. ORCHIDACEÆ. Hardy orchids. Soil, equal parts loam, peat, leaf mould, with the addition of plenty of grit and small stones; partially sheltered shaded positions on rockery. Varieties cultivated :

calceolus, yellow, summer.

guttatum, white, rose and purple.

japonicum, green, white and pink, summer.

macranthum, purple, June.

parviflorum, yellow and red, June.

pubescens, yellow and purple, June.

spectabile, rose and white, May.

DABECIA (Irish St. Dabeoc's Heath). Ord. ERICACEÆ. Evergreen flowering shrubs. Soil, sandy peat and loam; sunny position on rockery. Varieties cultivated :

polifolia, purple, July, 2 ft.

polifolia alba, white variety of foregoing.

DAPHNE (Garland Flower; Spurge Laurel). Ord. THYMELACEÆ. Hardy evergreen flowering shrubs. Soil, sandy peat; sunny or shady positions on rockery. Varieties cultivated :

alpina, white, May, 2 ft.

Blagayana, white, April, 10 ins.

cnereum, pink, April, 12 ins.

mezereum, red or white, February, 3 ft.

rupestris, bright pink, June, 4 ins.

DIANTHUS (Pink). Ord. CARYOPHYLLACEÆ. Hardy perennials. These require a mixture of loam, leaf mould and grit, and well drained sunny position on rockery or top of wall. Varieties cultivated :

alpinus, rosy pink, June–July, 4 ins.

arvenense, bright rose, June–July, 4 ins.

atrorubens, deep crimson, June–July, 4 ins.

Cæsius (The Cheddar Pink), rose-pink, June–July, 6 ins.

cal-alpinus, pink, June–July, 3–6 ins.

deltoides, vivid crimson, May–August, 6 ins.

deltoides albus, white, with crimson ring, May–August, 6 ins.

deltoides carmineus, red, June–July, 6 ins.

fragrans, white, May–July, 9 ins.

fragrans plena, double white, May–July, 4–6 ins.

Freynii, pink, May–July, 3–6 ins.

DIANTHUS—CONTINUED.

glacialis, purple, summer, 4 ins.

graniticus, pink, May–July, 4 ins.

hybridus **Fetter Mount**, carmine rose, June–July, 15 ins.

neglectus, pink, May–July, 3–6 ins.

petraeus, rose, summer, 6 ins.

Sternbergia, single white, with fimbriated edge, July–August, 6 ins.

superbus, rose, summer, 9 ins.

sylvestris, pink, May–July, 4 ins.

DODECATHEON (American Cowslip). Ord. PRIMULACEÆ. Hardy perennials. Soil, one part loam to two parts leaf mould; shady sheltered position on rockery. Varieties cultivated:

Clevelandii, violet-blue, May, 12 ins.

Hendersoni, crimson and yellow, March, 6 ins.

Jeffreyi, purple-rose, spring, 6 ins.

Meadia, rosy purple, white and purple, April, 12 ins. —

Meadia album, a white variety of foregoing.

Meadia lilacinum, lilac variety.

DOUGLASIA. Ord. PRIMULACEÆ. Hardy evergreen Alpine plants. Soil, equal parts peat and loam; sunny position on rockery. Varieties cultivated:

lævigata, rose-pink, March–September, 1 in.

nivalis, pink, April, 1 in.

vitaliana, yellow, May–July, 2 ins.

DRABA (Whitlow Grass). Ord. CRUCIFERÆ. Hardy perennials. Soil, loam, peat, sand and grit; sunny position in crevices in rockery or in walls. Varieties cultivated:

aizoides, yellow, March, 3 ins.

aizoon, yellow, April, 3 ins.

alpina, yellow, April, 3 ins.

bruniæfolia, yellow, April–May, 3 ins.

Mawii, white, spring, 3 ins.

pyrenaica, lilac-purple, fragrant, April, 3 ins.

rupestris, white, summer, 3 ins.

Scandinavica, white, April–August, 6 ins.

DRACOCEPHALUM (Moldavian Balm). Ord. LABIATÆ. Hardy perennial herbs. Soil, light ordinary; shady position on rockery. Varieties cultivated:

Austriacum, blue, summer, 12–18 ins.

grandiflorum, blue, summer, 6–9 ins.

Ruyschianum, purplish blue, June, 12–18 ins.

speciosum, lilac, June, 18 ins.

DRYAS (Mountain Avens). Ord. ROSACEÆ. Hardy evergreen trailing plants. Soil, loam, peat and sand; sunny position on rockery. Varieties cultivated:

Drummondii, yellow, June, 3 ins.

— *octopetala*, white, June, 3 ins., trailing.

DRYPIS. Ord. CARYOPHYLLACEÆ. Hardy perennial. Soil, ordinary ; sunny position on rockery. Variety cultivated :
spinosa, blue, summer, 9 ins.

ECHINACEA (Purple Cone Flower). Ord. COMPOSITÆ. Hardy perennial. Soil, deep rich light loam ; sunny well drained position on rockery. Variety cultivated :
purpurea, purplish red, August, 3 ft.

EDRAIANTHUS (Wahlenbergia) (Bell Flower). Ord. CAMPANULACEÆ. Hardy perennials. Soil, sandy loam ; sunny position on rockery. Varieties cultivated :

hederacea, blue, summer, trailing.

Kitabelii, blue and purple, summer, 6 ins.

pumilio, purple, June-July, 3 ins.

serpyllifolius, blue, June, trailer.

tenuifolia, blue, violet and white, summer, 6 ins.

EPIGÆA (American Ground Laurel). Ord. ERICACEÆ. Hardy evergreen creeping shrub. Soil, sandy peat ; shady position on rockery. Variety cultivated :

repens, white, fragrant, May, trailing.

EPILOBIUM (Willow Herb). Ord. ONAGRARIÆ. Hardy perennials. Soil, loam, peat and sand ; shady or partially shady, moist positions on rockery. Varieties cultivated :

Dodonæi, pink, July-August, 9 ins.

Hectori, June-August, 1 in.

luteum, yellow, summer, 6 ins.

obcordatum, rosy purple, summer, 6 ins.

rosmarinifolium, red, July, 2 ft.

EPIEDIUM (Barrenwort ; Bishop's Hat). Ord. BERBERIDACEÆ. Hardy perennials. Soil, loam, peat and sand ; shady or partially shady position on rockery ; does well under trees. Varieties cultivated :

alpinum, purple outside, yellow inside, May-June, 9 ins.

concinnum, purple, March, 8 ins.

macranthum, purple and white, May-June, 9-12 ins.

nivium, white, May-June, 9-12 ins.

pinnatum, yellow, May, 12 ins.

rubrum, red and yellow, May, 8 ins.

ERANTHIS (Winter Aconite). Ord. RANUNCULACEÆ. Hardy tuberous perennial. Soil, ordinary ; shady position on rockery. Does well under trees. Variety cultivated :

hyemalis, yellow, January-March, 3-4 ins.

ERICA (Heath). Ord. ERICACEÆ. Hardy evergreen flowering shrubs. Soil, two parts peat, one part sand ; sunny position on rockery. Varieties cultivated :

carnea, pink, January-April, 6 ins.

carnea alba, white variety.

*Gentiana acaulis.***ERICA**—CONTINUED.

- ciliaris*, red, summer, 3-12 ins.
- cinerea* (Scotch Heather), crimson-purple, July-September, 6-12 ins.
- cinerea alba*, white.
- cinerea atropurpurea*, purple.
- cinerea coccinea*, scarlet.
- cinerea purpurea rosea*, purple-rose.
- Jusitanica*, pinkish white, January-April, 2-6 ft.
- Mackaii*, red, July-August, 12 ins.
- tetralix*, rosy red, July-September, 6-12 ins.
- tetralix alba*, white.
- tetralix rubra*, red.
- vagans*, pink, July-September, 6-18 ins.
- vagans alba*, white.
- vagans rubra*, red.

ERIGERON (Fleabane). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

- alpinus**, lavender-blue, June-July, 9 ins.
- aurantiacus**, orange, May-June, 6 ins.
- caucasicus**, rosy lilac, June-July, 6 ins.
- mucronatus**, pink, May-August, 9 ins.
- Philadelphicus**, mauve-pink, May-August, 9 ins.
- Royleii**, bluish purple, summer, 6-8 ins.

ERINUS. Ord. SCROPHULARINÆ. Hardy perennials. Soil, sandy loam; sunny dry position on rockery, in crevices, or in wall. Varieties cultivated:

- alpinus**, rosy purple, May-July, 6 ins.
- alpinus albus**, white variety.
- alpinus carmineus**, rose.

ERODIUM (Heron's Bill). Ord. GERANIACEÆ. Hardy perennials. Soil, loam, sand and limestone grit; sunny, well drained position on rockery. Varieties cultivated:

- corsicum**, pink, June-August, 3 ins.
- guttatum**, white, slightly blotched with purple, June-August, 6 ins.
- macradenum**, lower petals pale pink, veined with crimson, upper petals black, marked with crimson, summer, 9 ins.
- Manescavi**, purplish red, summer, 1-2 ft.
- petræum**, purple, July, 6 ins.
- Reichardi**, white, May-July, 1 in.

ERYSIMUM (Alpine Wallflower; Hedge Mustard). Ord. CRUCIFERÆ. Hardy perennials. Soil, ordinary; dry sunny position on rockery. Varieties cultivated:

- ochroleucum**, sulphur-yellow, fragrant, April-July, 12 ins.
- rupestre**, sulphur-yellow, spring, 6-9 ins.

ERYTHRONIUM (Dog's Tooth Violet). Ord. LILIACEÆ. Hardy bulbous perennials. Soil, equal parts loam, peat and leaf mould; sheltered shady position on rockery. Does well under trees. Varieties cultivated:

- albidum**, white and yellow, April, 6 ins.
- americanum**, golden-yellow and purple, May, 6 ins.
- citrinum**, yellow, orange and pink, spring, 6 ins.
- dens-canis**, rose, spring, 6 ins.
- dens-canis album**, white.
- dens-canis grandiflorum**, white and orange, spring.
- dens-canis purpureum**, purple.
- dens-canis roseum**, rose.
- dens-canis violaceum**, violet.
- Hartwegi**, creamy white, May, 6 ins.
- Hendersoni**, purple-rose, March, 6 ins.
- Howelli**, yellow and orange, spring, 6 ins.

ERYTHRONIUM—CONTINUED.

purpurascens, yellow, purple and orange, spring.

purpurascens multiflorum, lilac.

EUONYMUS (Spindle Tree). Ord. CELASTRACEÆ. Hardy evergreen shrubs. Soil ordinary; sunny or shady position on rockery. Varieties cultivated:

Americanus, 2 ft.

radicans, 1 ft.

radicans variegata, evergreen trailer, with white edged leaves.

Geranium pratense.

EUPHORBIA (Spurge). Ord. EUPHORBIACEÆ. Hardy perennial. Soil, sandy loam; sunny position on rockery. Variety cultivated:

cyparissias, greenish yellow, May-June. 12 ins.

FRANCOA (Maiden's Wreath; Bridal Wreath). Ord. SAXIFRAGACEÆ. Half-hardy perennials. Soil, light rich loam; sunny sheltered positions on rockery. Varieties cultivated:

appendiculata, red, July, 1-2 ft.

ramosa, white, July-August, 2 ft.

sonchifolia, pink, summer, 2 ft.

FUCHSIA (Eardrops). Ord. ONAGRARÆ. Hardy flowering shrubs. Soil, sandy loam; sunny position on rockery. Varieties cultivated :

minima, orange and red, summer, 3-4 ins.

pumila, red and purple, summer, 9 ins.

FUNKIA (Plantain Lily ; Corfu Lily). Ord. LILIACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; moist position on rockery. Varieties cultivated :

alba, white, August, 9 ins.

alba marginata, flowers lilac, leaves edged white, July, 12 in.

aurea maculata, yellow, July, 12 ins.

Fortuneii, lilac, July, 18 ins.

glauca, mauve, July-August, 18 ins.

lancifolia, lilac, August, 9 ins.

ovata, mauve, July-August, 18 ins.

Sieboldi, blue, July-August, 20 ins.

subcordata, white, August, 18 ins.

undulata variegata, lilac, July-August, 9 ins.

GALANTHUS (Snowdrop). Ord. AMARYLLIDACEÆ. Hardy flowering bulbs. Soil, ordinary; sunny or shady position on rockery. Varieties cultivated :

Alleni, white, February-March, 6-9 ins.

Caucasicus, white and green, March, 6 ins.

Elwesii, white, February, 8 ins.

Fosterii, white, February, 6 ins.

Ikarie, white, February, 8 ins.

latifolius, white and green, February and March, 6 ins.

nivalis, white, January-March, 6 ins.

plicatus, white, January-February, 10-12 ins.

GALAX (Fairy's Wand). Ord. DIAPENSIACEÆ. Hardy perennial. Soil, loam, leaf mould, peat and sand; shady, moist, cool position on rockery. Variety cultivated :

aphylla, white, June and July, 12 ins.

GAULTHERIA (Partridge Berry ; Creeping Winter Green). Ord. ERICACEÆ. Hardy evergreen shrubs; berries edible. Soil, loam and peat; semi-shady moist position on rockery. Varieties cultivated :

nummularioides, white and pink, summer, trailing.

procumbens, white, July, creeping.

Shallon, white and red, May, 4 ft.

GENTIANA (Gentian ; Gentianella). Ord. GENTIANACEÆ. Hardy perennials. Soil, loam, leaf mould and peat; partial shade, well drained moist position on rockery. Varieties cultivated :

acaulis, blue, March-May, 3 ins.

Andrewsii, blue, August, 1-2 ft.

asclepiadea, purple-blue, July, 6-18 ins.

asclepiadea alba, white variety of foregoing.

Geum, Mrs. Bradshaw.

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GENTIANA—CONTINUED.

- Bavarica**, blue, July, 3 ins.
cruciata, blue, June, 12 ins.
lutea, yellow, July, 2-3 ft.
pneumonanthe, blue, August-September, 1-2 ft.
septemfida, blue, July, 12 ins.
verna, blue, April-May, 3 ins.

GERANIUM (Crane's Bill). Ord. GERANIACEÆ. Hardy perennials. Soil, sandy loam; well drained sunny position on rockery. Varieties cultivated:

- argenteum**, rose, June-August, 6-12 ins.
armenum, rose-crimson, with darker centre, June-August, 18 ins.
cinereum, red, June-August, 6 ins.
cinereum album, white variety.
dahuricum, purple, June, 12 ins.
Endressi, rose-pink, summer, 12 ins.
ibericum, violet-blue, May-July, 18 ins.
macrorrhizon, purple, May-July, 12 ins.
nepalense, crimson, June-August, 12 ins.
pratense, blue, June-August, 12 ins.
pratense alba plena, double white variety.
sanguineum, purplish red, May-August, 9 ins.
sanguineum album, white, summer, 9 ins.
sanguineum lancastriense, pale pink, with deeper veining, summer, 9 ins.
striatum, white, veined pink, summer, 12 ins.
sylvaticum, blue, summer, 2-3 ft.
tuberosum, purple, June, 9 ins.

GEUM (Avens). Ord. ROSACEÆ. Hardy perennials. Soil, sandy loam; well drained sunny position on rockery. The Rivale varieties do well in a moist situation. Varieties cultivated:

- chiloense**, scarlet, summer, 2 ft.
coccineum, scarlet, summer, 12 ins.
coccineum, Mrs. Bradshaw, double scarlet, May-August, 18-24 ins.
Eweni, summer, 18 ins.
Heldreichi, orange, summer, 9 ins.
miniaturum, orange, May-July, 12 ins.
montanum, yellow, May-September, 6 ins.
reptans, yellow, summer, 6-9 ins.
rivale, carmine-pink, April-August, 18 ins.
rivale, Leonard's Variety, red, April-August, 18 ins.

GLOBULARIA (Glove Daisy). Ord. SELAGINACEÆ. Hardy shrubs and perennials. Soil, ordinary; moist sunny position on rockery. Varieties cultivated:

- alypum**, blue, August, 2 ft., shrub.
cordifolia, blue, June, 6 ins., shrub.

GLOBULARIA—CONTINUED.

nudicaulis, blue, summer, 6 ins.

trichosantha, blue, summer, 6–8 ins.

vulgaris, blue, summer, 6–12 ins.

GOODYERA (Rattlesnake Plantain; Adder's Violet). Ord. ORCHIDACEÆ. Hardy terrestrial orchids. Soil, two parts peat, leaf mould and sand; well drained shady position on rockery. Varieties cultivated:

pubescens, white, July.

repens, white, summer.

GYPSOPHILA (Chalk Plant). Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, sandy loam; well drained sunny position on rockery, or in crevices in wall. Varieties cultivated:

alpina, white, early summer, trailing.

cerastioides, white, veined crimson, May–July, 4–6 ins.

elegans, white, June–October, 12–18 ins.

glauca, white, summer, 18 ins.

repens, white, May–July, 4–6 ins.

repens rosea, pale pink, May–July, 4–6 ins.

Stevenii, white, summer, 2 ft.

HABENARIA (Butterfly Orchis; Rein Orchis). Ord. ORCHIDACEÆ. Hardy terrestrial orchids. Flowers fragrant. Soil, equal parts loam, peat and leaf mould; partially shaded moist position on rockery. Varieties cultivated:

bifolia, white, June, 12 ins.

blephariglottis, white, summer, 12 ins.

ciliaris, orange, August, 18 in.

conopsea, red and white, summer, 18 ins.

fimbriata, purple, June, 12 ins.

HABERLEA. Ord. GESNERACEÆ. Hardy perennials. Soil, loam and peat; shady position on rockery. Varieties cultivated:

Heldreichii, violet, June–July, 4 ins.

rhodopensis, white, June–July, 4 ins.

virginalis, white, June–July, 4 ins.

HACQUETIA. Ord. UMBELLIFERÆ. Hardy perennial. Soil, ordinary; sunny position on rockery. Variety cultivated:

epipactis, yellow, spring, 3–6 ins.

HEDYSARUM (French Honeysuckle). Ord. LEGUMINOSÆ. Hardy perennials. Soil, ordinary; sunny position on rockery. Varieties cultivated:

coronarium, red, summer, 3–4 ft.

coronarium album, white.

Mackenzii, rosy purple, June, 2–3 ft.

micro-calyx, shrubby, purple, June, 3 ft.

multijugum, shrubby, red, July, 3 ft.

HELIANTHEMUM (Sun Rose ; Rock Rose). Ord. CISTACEÆ.

Hardy trailing shrubs. Soil, sandy loam ; sunny position on rockery, or in walls. Flower from June–August. Varieties cultivated :

- alba plena**, double white.
- Attraction**, orange, with brown eye.
- Bride**, white.
- Bronze Jubilee**, double bronze.
- Dorothy H. Taylor**, single pure white.
- Fireball**, single red-bronze.
- Garibaldi**, single pink.
- Jubilee**, double pale yellow.
- luteum**, single yellow.
- luteum plenum**, double yellow.
- Magnificent**, single salmon-pink.
- Miss Lake**, single deep yellow.
- Mrs. C. W. Earle**, double crimson.
- occulatum**, single pure white.
- Peach**, single peach-blossom.
- Red Dragon**, single bright red.
- Rose Queen**, single bright pink.
- roseum multiplex**, double flesh-pink.
- Rosy Gem**, single deep rose.
- Salmon Queen**, double salmon-pink.
- Sulphurea**, single sulphur-yellow.
- tigrinum plenum**, double salmon-orange.
- venustum plenum**, double scarlet.

HELICHRYSUM (Everlasting Flower). Ord. COMPOSITÆ.

Hardy perennials. Soil, loam, old lime and sand ; well drained sunny position on rockery. Varieties cultivated :

- arenarium**, yellow, summer, 6–12 ins.
- pelloides**, white, June–July, 6 ins.
- trinurve**, white, June–July, 9–12 ins.

HELXINE. Ord. URTICACEÆ. Hardy perennial. Soil, stiff loam and leaf mould ; partial shade, moist position on rockery. Variety cultivated :

- Solierolii**, flowers inconspicuous ; green trailer or carpeter of rampant growth.

HEPATICA (Anemone). Ord. RANUNCULACEÆ. Hardy bulbs and tubers. Soil, stiff loam and leaf mould ; partial shade and moist position on rockery. Varieties cultivated :

- angulosa**, sky-blue, February–March, 6 ins.
- triloba cœrulea**, blue, February–March, 6 ins.
- triloba cœrulea flore plena**, double blue, February–March, 6 ins.
- triloba rubra**, pink, February–March, 6 ins.
- triloba rubra flore plena**, double rose, February–March, 6 ins.

A Sunk Rock Garden.

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HERMINIUM (Musk Orchis). Ord. ORCHIDACEÆ. Hardy terrestrial orchid, with musk-scented flowers. Soil, light turfy loam and leaf mould, with chalk or old mortar added; sunny position on rockery. Variety cultivated:

monorchis, green and yellow, July, 6 ins.

HERNIARIA (Rupture Wort). Ord. ILLECEBRACEÆ. Hardy perennial trailing herbs. Soil, sandy loam; sun or shade. well drained position on rockery. Varieties cultivated:

glabra, tiny green flowers, July–August, 1 in.

glabra aurea, golden leaved variety.

HEUCHERA (Alum Root; American Sanicle). Ord. SAXIFRAGACEÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

Americana, red, summer, 18 ins.

brizoides, rose, summer, 18 ins.

brizoides macrantha, small white flowers in sprays, summer, 18 ins.

Edge Hall Variety, large pink, summer, 30 ins.

erubescens, white and pink, summer, 24 ins.

micrantha rosea, small pink, summer, 18 ins.

rosea, brilliant rose, summer, 18 ins.

sanguinea, red, summer, 18 ins.

sanguinea splendens, crimson, summer, 18 ins.

HIERACIUM (Hawkweed). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

aurantiacum rubrum, orange-crimson, June–August, 12 ins.

This variety also does well in wall.

villosum, golden-yellow, June–August, 12 ins.

HIPPOCREPIS (Horseshoe Vetch). Ord. LEGUMINOSÆ. Hardy evergreen trailer. Soil, sandy loam; sunny position on rockery. Variety cultivated:

comosa, yellow, April–August, 2 ins.

HORMINUM (Pyrenean Dead Nettle). Ord. LABIATÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

pyrenaicum, blue, June–August, 12 ins.

pyrenaicum grandiflorum, purple, June–August, 9 ins.

HOUSTONIA (Bluets). Ord. RUBIACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; moist position in partial shade, in crevices and sheltered nooks in rockery. Varieties cultivated:

cærulea, blue, May–July, 2–4 ins.

cærulea alba, a white variety.

longifolia, lilac, August, 6 ins.

serpyllifolia, white summer, 3 ins.

HUTCHINSIA. Ord. CRUCIFERÆ. Hardy perennial. Soil, sandy loam; sunny position on rockery. Variety cultivated:

alpina, white, April–August, 4 ins.

HYPERICUM (Rose of Sharon; St. John's Wort). Ord. HYPERICINÆ. Hardy perennials. Soil, sandy loam; sunny or partially shaded position on rockery. Varieties cultivated:

balearicum, yellow flower with red stems, July–August, 6 ins.

calycinum, large golden-yellow, June–August, 12 ins.

elodes, yellow, summer, trailing.

fragile, bright pink, June–August, 6 ins.

nummularium, yellow, summer, 3–6 ins.

olympicum, yellow, June–August, 3 ins.

orientale, yellow, summer, 6–12 ins.

reptans, golden-yellow, summer, trailing; this variety likes the addition of leaf mould to the soil.

IBERIS (Candytuft). Ord. CRUCIFERÆ. Hardy perennials. Soil, sandy loam; sunny or partially shady position on rockery, or in pockets in wall. Varieties cultivated:

corræfolia, white, May–June, 9 ins.

Gibraltarica, lilac, April–June, 6 ins.

Little Gem, white, summer, 6–8 ins.

Pruitii, white, May, 6 ins.

saxatilis, white, spring, 3–6 ins.

semperflorens, white, spring, 1–2 ft.

sempervirens, white, April–July, 9–12 ins.

sempervirens flore pleno, double white, May–June, 9–12 ins.

INCARVILLEA. Ord. BIGNONIACEÆ. Hardy perennials. Soil, light rich loam; well drained sunny-sheltered position on rockery. Varieties cultivated:

Delavayi, rose, summer, 18 ins.

grandiflora, deep crimson-red, summer, 18 ins.

olga, purple, summer, 3 ft.

INULA (Fleabane). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

ensifolia, bright yellow, summer, 9 ins.

glandulosa, deep orange, June–August, 2 ft.

Golden Beauty, golden-yellow, summer, 2 ft.

grandiflora, yellow, July–September, 2 ft.

helenium, yellow, July–September, 3 ft.

Hookeri, yellow, August–September, 2 ft.

macrocephala, golden-yellow, summer, 2 ft.

oculus Christi, yellow, summer, 18 ins.

Royleana, golden-yellow, September, 2 ft.

IRIS (Flag ; Fleur de Luce). Ord. IRIDACEÆ. Hardy perennials, bulbous and rhizomatus. Soil, sandy loam ; sunny position on rockery. The Sibirica varieties like a moist position. The following varieties are suitable for rockery culture :

cristata, lilac-blue, May-June, 6 ins. This variety likes a moist position, and the addition of some old lime in the soil.

fœtidissima, pale purple, scarlet berries, June-August, 18 ins.

Germanica, in variety.

gracilipes, pale blue, May-June, 6 ins.

lacustris, sky-blue, May-June, 12 ins.

olbiensis, blue and purple, April-May, 12 ins.

pumila, pale blue and purple, April-May, 9 ins.

pumila alba, white falls, blotched purple, April-May, 9 ins.

pumila lutea, yellow, April-May, 9 ins.

reticulata, purple, sweet scented, February-March, 8 ins.

This variety likes partial shade and the addition of leaf mould in the soil.

sibirica, pale blue, May-June, 4 ft.

sibirica alba, white, with dark veins, 24 ins.

sibirica orientalis, rich purple, 30 ins.

stylosa, lavender-blue, January-March, 12 ins.

stylosa alba, white variety, 12 ins.

stylosa speciosa, blue, 12 ins.

tectorum, clear blue, May-June, 12 ins.

tectorum album, whitish, summer, 9 ins.

ISOPYRUM. Ord. RANUNCULACEÆ. Hardy perennial. Ornate foliage. Soil, ordinary ; sunny or shady position on rockery. Variety cultivated :

thalictroides, spring, white, 8 ins.

JASIONE (Sheep's Bit Scabious). Ord. CAMPANULACEÆ. Hardy perennials. Soil, light loam ; sunny, well drained position on rockery. Varieties cultivated :

humilis, blue, July-Aug., 6 ins.

Jankæ, deep blue, July, 9 ins.

perennis, blue, June, 18 ins.

LAMIUM (Dead Nettle). Ord. LABIATÆ. Hardy perennials. Soil, sandy loam and rubble ; dry sunny position on rockery. Varieties cultivated :

argenteum, pink, July-August, 9 ins.

maculatum aureum, leaves variegated with golden-yellow, 12 ins.

LEONTOPODIUM (Edelweiss). Ord. COMPOSITÆ. Hardy perennials. Soil, loam, sand and limestone ; sunny exposed position on rockery. Varieties cultivated :

alpinum, limey white, June-July, 6 ins.

sibiricum, June-July, 9 ins.

LEUCOCRINUM. Ord. LILIACEÆ. Hardy bulbous rooted perennial. Soil, sandy loam; sunny sheltered nooks on rockery. Variety cultivated:

montanum, white, fragrant, spring, 3 ins.

LEWISIA (Bitter Wort). Ord. PORTULACEÆ. Hardy perennials. Soil, equal parts loam, peat and sand; moist sunny position in crevices on rockery. Varieties cultivated:

rediviva, rose, summer, 6 ins.

Tweedyi, pink, summer, 4 ins.

LINARIA (Toad Flax). Ord. SCROPHULARIACEÆ. Hardy perennials, trailing. Soil, loam, sand and grit; sunny position on rockery or moraine. Varieties cultivated:

actangulare, lilac, June–September, 1 in.

alpina, purple and orange, summer, 4–6 ins.

alpina rosea, pink and orange, summer, 4–6 ins.

cymbalaria, purple, June–October, 3 ins.

cymbalaria globosa, purple and white, June–October, 3 ins.

The *Cymbalias* do very well in crevices in wall.

hepaticæfolia, white, summer, 1 in.

organifolia, violet and blue, summer, 6 ins.

pallida, blue, summer, 3 ins.

saxatilis, yellow and brown, summer, trailing.

triornithophora, purple and yellow, summer, 12 ins.

vulgaris, yellow, summer, 2 ft.

LINNÆA (Twin Flower). Ord. CAPRIFOLIACEÆ. Hardy trailing flowering shrub. Soil, loam, leaf mould and peat; sunny position on rockery. Variety cultivated:

borealis, blush, fragrant, May–August, 4 ins.

LINUM (Flax). Ord. LINACEÆ. Hardy perennials and shrubs. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

album, pure white, summer, 12 ins.

alpinum, pale purple-blue, July–August, 15 ins.

arboreum, yellow, July–August, 12 ins.

candidissimum, white, summer, 12 ins.

flavum, yellow, summer, 18 ins.

monogynum, white, summer, 18 ins.

narbonense, blue, May–July, 24 ins.

perenne, blue, or white, summer, 18 ins.

LITHOSPERMUM (Gromwell). Ord. BORAGINACEÆ. Hardy trailing evergreen flowering shrubs and perennials. Soil, loam, leaf mould and sand; well drained, moist position; sunny or partial shade on rockery, or in crevices in wall for trailing varieties. Varieties cultivated:

canescens, yellow, July, 12 ins.

Gastoni, blue, summer, 12 ins.

graminifolium, blue, June–August, 12 ins.

LITHOSPERMUM—CONTINUED.

intermedium, bright blue, June–August, 9 ins. This variety needs protection in winter.

prostratum, blue, summer, trailing.

purpureo-cæruleum, bluish purple, June–July, 12 ins.

rosmarinifolium, sky-blue, flowers in winter.

LLOYDIA (Mountain Spider Wort). Ord. LILIACEÆ. Hardy bulbous flowering plant. Soil, sandy loam; sunny, well drained position on rockery. Variety cultivated:

alpina, white and green, June, 6 ins.

LOISELEUREA (Trailing Azalea). Ord. ERICACEÆ. Hardy evergreen trailing flowering shrub. Variety cultivated:

procumbens (syn. *Azalea procumbens*). rose. July–August.

LOMARIA (Deer Fern). Ord. FILICES. Dwarf, evergreen ferns. Soil, two parts peat, one part loam and pounded limestone; shady position on rockery. Varieties cultivated:

alpina; **Spicant trinerva**.

LOTUS (Bird's Foot Trefoil). Ord. LEGUMINOSÆ. Hardy perennial. Soil, loam, leaf mould and sand; sunny position on rockery. Variety cultivated:

corniculatus flore pleno, double yellow, summer, 3 ins., creeping plant.

LYCHNIS (Campion). Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

alba, white, May–August, 3 ft.

alpina, crimson, April–June, 6 ins.

chalconica, scarlet, June–August, 2 ft.

chalconica alba, white variety.

chalconica flore pleno, double variety.

coronaria, crimson, July–August, 2–3 ft., and its varieties.

coronaria atrosanguinea, crimson-red.

coronaria atrosanguinea alba, white.

coronaria atrosanguinea flore pleno, double red.

dioica, purple-rose, summer, 2 ft.

dioica flore pleno, brilliant rose, June–July, 18 ins.

flos-cuculi, rose, May–June, 12–18 ins.

flos-cuculi flore pleno, double rose.

fulgens, vermilion, May–September. 6–12 ins.

Haageana, scarlet, summer, 18–24 ins.

Lagascæ, pink, May–June, 3–4 ins.

Salmon Queen, salmon variety, summer, 6 ins.

viscaria, purple, summer, 12 ins.

viscaria alba, white, summer, 9–12 ins.

viscaria rosea, rosy purple, June–July, 12 ins.

viscaria splendens plena, rich crimson, June–July, 12 ins.

LYCOPODIUM (Fir Club Moss; Stag's Horn Moss). Ord. LYCOPODIACEÆ. Hardy perennial mosses. Soil, deep, moist, sandy peat; sunny position on rockery. Varieties cultivated:
clavatum (Stag's Horn Moss).
selago (Fir Club Moss).

A Semi-shaded Rockery.

LYSIMACHIA (Yellow Pimpernel; Creeping Jenny). Ord. PRIMULACEÆ. Hardy, erect and creeping perennials. Soil, loam, peat and sand; well drained moist positions in partial shade on rockery. Varieties cultivated:

- atropurpurea*, purple, summer, 24 ins.
- clethroides*, white, August–September, 24 ins.
- ephemerum*, white, summer, 3 ft.
- lanceolata*, yellow, summer, 18 ins.
- nummularia*, yellow, June–September, creeping.
- nummularia aurea*, golden leaved, June–September, creeping.
- punctata*, yellow, summer, 12 ins.
- thyrsiflora*, yellow, June–July, 3 ft.
- vulgaris*, yellow, July–August, 3 ft.

MARGYRICARPUS (Pearl Berry ; Pearl Fruit). Ord. ROSACEÆ. Hardy evergreen trailing shrub. Soil, sandy loam ; sunny position on rockery. Variety cultivated :

setosus, green, with shiny white berries, July–November, 9 ins.

MEDICAGO (Calvary Clover ; Crown of Thorns). Ord. LEGUMINOSÆ. Hardy perennial trailer. Soil, ordinary ; dry sunny position on rockery. Variety cultivated :

falcata, yellow, summer, trailing.

MENTHA (Mint ; Pennyroyal). Ord. LABIATÆ. Hardy perennials, with aromatic foliage. Soil, loam, leaf mould and sand ; sunny or partially shaded moist position on rockery. Varieties cultivated :

aquatica (Bergamot Mint), purple, summer, 12 ins.

piperita (Peppermint), purple, autumn, 12 ins.

pulegium (Pennyroyal), purple, August, 4–6 ins.

pulegium gibraltarica, purple, 2 ins.

Requieni, mauve, July, trailing.

viridis, purple, August, 2 ft.

MEUM (Bawd Money ; Spignel). Ord. UMBELLIFERÆ. Hardy perennial. Soil, ordinary ; sunny position on rockery. Variety cultivated :

athamanticum, white, May, 12 ins.

MICROMERIA. Ord. LABIATÆ. Half-hardy shrubby perennial. Soil, sandy loam ; sunny sheltered position on rockery ; protection in winter. Variety cultivated :

Piperella, purplish white, July–October, 3 ins.

MIMULUS (Monkey Flower ; Musk). Ord. SCROPHULARIACEÆ. Hardy perennials. Soil, loam and leaf mould ; well drained, moist sunny position on rockery. Varieties cultivated :

Beauty of Ness, yellow, with dark spots, May–September, 12 ins.

Burnetti, orange, spotted bronze, June–September, 6 ins.

cardinalis, scarlet, July–August, 12 ins.

cupreus, bronzy crimson, May–September, 6 ins.

luteus, bright yellow, May–September, 12 ins.

moschatus, yellow, sweet scented, July–September, 4 ins.

moschatus Harrisonii, yellow, large flowered, July–September, 6 ins.

MITELLA (Mitre Wort). Ord. SAXIFRAGACEÆ. Hardy perennial. Soil, sandy peat ; shady or partially shaded positions on rockery. Variety cultivated :

diphylla, white, spring, 6 ins.

MITRARIA (Mitre Flower). Ord. GESNERACEÆ. Hardy evergreen flowering shrub. Soil, two parts fibrous peat, one part sand ; moist sheltered position on rockery. Variety cultivated :

coccinea, scarlet, May–August, trailing.

MORISIA (Mediterranean Cress). Ord. CRUCIFERÆ. Hardy perennial. Soil, loam, sand and grit ; well drained sunny position in the moraine. Variety cultivated :

hypogea, bright yellow, April-July, 2 ins.

MUEHLENBECKIA (Native Ivy of Australia). Ord. POLYGONACEÆ. Hardy trailing plants. Soil, sandy loam ; sunny or shady position on rockery or wall. Varieties cultivated :

adpressa ; **complexa** ; **complexa nana**, a dwarf variety ; **varians**.

MYOSOTIS (Forget-me-not). Ord. BORAGINACEÆ. Hardy perennials. Soil, loam and leaf mould ; shady, moist position on rockery. Varieties cultivated :

alpestris, blue and white, fragrant, June-July, 3 ins.

alpestris elegantissima, white, rose and blue, June-July, 3 ins.

alpestris stricta, erect growing, sky-blue, 6 ins.

alpestris Victoria, sky-blue, 6 ins.

dissitiflora, sky-blue, March-July, 8-10 ins.

dissitiflora alba, white variety.

Elizabeth, purple, March-July, 8 ins.

palustris, sky-blue, May-July, 6-12 ins.

palustris semperflorens, sky-blue, long flowering.

palustris, Tom Thumb, blue, summer, 3-6 ins.

rupicola, blue, May-June, 4 ins.

Ruth Fischer, sky-blue, May-June, 6 ins.

sylvatica, blue and yellow, summer, 1-2 ft.

NEPETA (Cat Mint). Ord. LABIATÆ. Hardy trailing perennials. Soil, loam, sand and old lime ; sunny position on rockery. Varieties cultivated :

glechoma variegata (Variegated Ground Ivy).

Mussini, lavender-blue, summer, 18 ins.

Mussini superba, purple, May-August, 18 ins.

NEPHRODIUM (Buckler Fern). Ord. FILICES. Hardy ferns. Soil, light rich loam ; shady position on rockery. Varieties cultivated :

æmulum (syn. *Lastrea recurva*), Hay-scented Buckler Fern.

cristatum (syn. *Lastrea cristata*), Crested Buckler Fern.

filix-mas (syn. *Lastrea filix*), Male Fern.

fragrans, fragrant Wood Fern.

Goldieanum hirtipes (syn. *Lastrea atrata*).

montanum (syn. *Lastrea oreoptens*), Mountain Buckler Fern.

rigidum (syn. *Lastrea rigidum*).

spinulosum (syn. *Lastrea dilatatum*), Prickly Shield Fern.

thelypteris (syn. *Lastrea thelypteris*), Female Buckler Fern.

NERTERA (Fruiting Duckweed). Ord. RUBIACEÆ. Half-hardy creeping perennial. Soil, two parts sandy loam, one part leaf mould; shaltered moist ledges on rockery; protect in winter in very hard weather. Variety cultivated:

depressa, flowers green, 1-2 ins.

NIEREMBERGIA (Trailing Cup Flower). Ord. SOLANACEÆ. Hardy perennial. Soil, loam, sand and leaf mould; moist position on rockery. Variety cultivated:

rivularis, white, summer, 6 ins.

ÆNOTHERA (Evening Primrose). Ord. ONAGRACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

cæspitosa (syn. *eximia* and *marginata*), white, fragrant, July, 2 ft.

Californica, white and pink, fragrant, summer, 2 ft.

fruticosa, golden-yellow, summer, 2 ft.

fruticosa Youngii, red buds, yellow flowers, summer, 30 ins.

glaucæ, yellow, summer, 1-2 ft.

linearis, yellow, summer, 18 ins.

macrocarpa, yellow, summer, 6 ins., trailing.

Missouriensis, yellow and red, summer, trailing.

pumila, yellow, July-August, 4-6 ins. This variety likes the addition of a little old lime to the soil.

rosea, rose, summer, 12 ins.

speciosa, white, summer, 2-3 ft.

OMPHALODES (Venus' Navelwort; Creeping Forget-me-not). Ord. BORAGINACEÆ. Hardy perennials. Soil, loam, leaf mould and peat; partially shaded moist position on rockery. Varieties cultivated:

Luciliæ, sky-blue, June-August, 6 ins.

verna, blue, with white eye, May-August, 6 ins.

verna alba, white, May-August, 6 ins.

ONONIS (Rest Harrow). Ord. LEGUMINOSÆ. Hardy perennials. Soil, ordinary; sunny position on rockery. Varieties cultivated:

arvensis, rose and white, summer, 6 ins.

Natrix, yellow and red, summer, 1-2 ft.

ONOSMA (Golden Drop). Ord. BORAGINACEÆ. Hardy perennials. Soil, sandy loam, with plenty of grit; sunny position on rockery, with good root depth. Varieties cultivated:

albo-roseum, white and rose, summer, 6 ins.

Bourgaci, yellow, summer, 6 ins.

echioides, yellow, May, 12 ins.

stellulatum, yellow and white, May, 6 ins.

tauricum, golden, June-July, 12 ins.

OPHIOGLOSSUM (Adder's Tongue Fern; Adder's Spear).
 Ord. FILICES. Hardy deciduous fern. Soil, moist loam; partially
 shaded position on rockery. Variety cultivated:
vulgatum, 4-6 ins.

Alpines growing in the crevices of rough paving.

OPHRYS (Bee Orchis; Fly Orchis). Ord. ORCHIDACEÆ.
 Hardy terrestrial deciduous orchids. Soil, sandy loam, mixed
 with small pieces of limestone; sunny dry position on rockery.
 Cover soil between plants with limestone chips. Varieties culti-
 vated:

apifera (Bee Orchis), purple, orange, yellow, April-June,
 12 ins.

aranifera (Spider Orchis), brown and yellow, April-June, 6 in.

insectifera, green, white, purple and blue, May-June, 8 ins.

muscifera (Fly Orchis), brown, blue and yellow, May, 6 ins.

tenthredinifera (Saw Fly Orchis), green, brown and yellow,
 May-June, 12 ins.

OPUNTIA (Indian Fig; Prickly Pear; Barbary Fig). Ord. CACTACEÆ. Hardy succulent plants. Soil, sandy loam, well mixed with powdered brick or old mortar; sunny well drained position on rockery. Mulch surface between the plants with small chips of stone. Varieties cultivated:

Engelmanni, yellow, May-June, 6 ins.

mesacantha (The Prickly Pear), yellow, June, 2 ft.

mesacantha Rafinesquii, yellow and red, June, 12 ins.

Missouriensis, yellow, May-June, 6 ins.

ORCHIS. Ord. ORCHIDACEÆ. Hardy terrestrial orchids. Soil, rich loam; well drained sunny positions on rockery, with deep root run. Varieties cultivated:

foliosa, purple, May, 2 ft.

latifolia, purple, June, 1 ft.

laxiflora, purple, May-June, 1 ft.

maculata, purple and white, June, 1 ft.

purpurea, purple and rose, May, 1 ft.

pyramidalis, rosy purple, summer, 1 ft.

spectabilis, purple and white, May, 6 ins.

OROBUS (Spring Vetch). Ord. LEGUMINOSÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

orobioides (syn. *Orob. lathyroides*), blue, June, 2 ft.

vernus, blue, with white eye, May-August, 6 ins.

vernus alba, white variety, May-August, 6 ins.

OURISIA. Ord. SCROPHULARIACEÆ. Hardy perennial trailers. Soil, loam; moist partially shaded position on rockery. Varieties cultivated:

cæspitosa, white, summer, 6 ins.

coccinea, scarlet, summer, 9 ins.

Pearcei, crimson, summer, 8 ins.

OXALIS (Wood Sorrel; French Sorrel). Ord. GERANIACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; moist sunny positions on rockery. Varieties cultivated:

acetosella, white, spring, 2-3 ins.

adenophylla, rosy white flowers, 4 ins.

corniculata rubra, yellow, leaves purple, summer, 6 ins.

elegans, purple, summer, 6 ins.

enneaphylla, white, May-July, 3 ins.

floribunda, rose, May-July, 9 ins.

floribunda alba, white, May-July, 9 ins.

purpurea, purple, October, 3 ins.

OXYTROPIS (Oxytrope). Ord. LEGUMINOSÆ. Hardy perennials. Soil, sandy loam, mixed with gravel; sunny position on rockery. Varieties cultivated:

campestris, pale yellow, summer, dwarf.

cyanea, purple and blue, summer, 6 ins.

OXYTROPIS—CONTINUED

Lambertii, white, blue and purple, summer, 12 ins.
pyrenaica, purple and lilac, summer, 6 ins.
uralensis, purple, summer, 4 ins.

PAPAVER (Poppy). Ord. **PAPAVERACEÆ**. Hardy perennials. Soil, sandy loam ; sunny position on rockery or moraine. Varieties cultivated :

alpinum, white, yellow, pink, orange, May–September, 9 ins.
nudicaule, white, yellow, orange, summer, 6 ins.
pilosum, orange, summer, 2 ft.
rupifragum, terra-cotta, summer, 2 ft.
rupifragum, red, June–July, 2 ft.
rupiorense, cerise, scarlet, summer, 2 ft.

PAROCHETUS (Blue-flowered Shamrock ; Shamrock Pea). Ord. **LEGUMINOSÆ**. Hardy trailing perennial. Soil, ordinary ; sunny position on rockery. Variety cultivated :
communis, blue, March–June, 12 ins.

PARONYCHIA (Nail Wort ; Whitlow Wort). Ord. **ILLECEBRACEÆ**. Hardy dwarf creeping perennials. Soil, ordinary ; sunny position on rockery. Varieties cultivated :

argentea, 9 ins.
capitata, 9 ins.

PELARGONIUM. Ord. **GERANIACEÆ**. Hardy perennial. Soil, sandy loam ; well drained sheltered position on rockery. Protect in winter. Variety cultivated :

Endlicherianum, rose, summer, 2 ft.

PELTARIA. Ord. **CRUCIFERÆ**. Hardy perennial. Soil, ordinary ; sunny position on rockery. Variety cultivated :

alliacea, white, summer, 12 ins.

PENTSTEMON (Beard Tongue). Ord. **SCROPHULARINEÆ**. Hardy perennials. Soil, sandy loam ; well drained sunny position on rockery. Varieties cultivated :

azureus, blue, August, 12 ins.
cobæa, purple and white, August, 12 ins.
confertus, pale yellow, summer, 12 ins.
confertus cærulea-purpureus, purple and blue, summer, 12 ins.
glaber, purple, summer, 12 ins.
Hartwegii, scarlet, summer, 2 ft.
heterophyllus, metallic blue, summer, 9 ins.
humilis, blue, summer, 9 ins.
linarioides, narrow leaves, flowers resembling a *Linaria*, summer, 6 ins.
Menziesii, lilac, red, and purple, June, 6 ins.
Middleton Gem, rosy pink, summer, 12 ins.
Newbury Gem, crimson, July–October, 18 ins.

PENTSTEMON—CONTINUED.

- pubescens**, blue, summer, 2 ft.
- Roezelii**, rose, summer, 6 ins.
- rupicola**, ruby-red, summer, prostrate.
- Scouleri**, pale violet, summer, 18 ins.
- speciosus**, bright blue, summer, 2 ft.

PERNETTYA (Prickly Heath). Ord. ERICACEÆ. Hardy, evergreen, berry-bearing shrub. Soil, ordinary; sunny or shady position on rockery. Variety cultivated:

- mucronata**, white, spring, 3 ft.

PHLOMIS (Jerusalem Sage). Ord. LABIATÆ. Hardy perennials and evergreen shrubs. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

- Cashmeriana**, lilac, July, 2 ft.
- fruticosa**, yellow, June, 3–4 ft. (shrub).
- herba-venti**, purple and violet, summer, 12–18 ins.

PHLOX. Ord. POLEMONIACEÆ. Hardy perennials. Soil, sandy loam; sunny or partially shaded position on rockery. Varieties cultivated:

- amœna**, rose, January, 6 ins.
- amœna variegata**, rose, with variegated foliage, January, 6 ins.
- canadensis**, lavender-blue, April–June, 12 ins.
- divaricata**, blue, May, 12 ins.
- divaricata alba grandiflora**, white, May–June, 12 ins.
- divaricata**, **Laphami**, plumbago blue flowers, May–July, 12 ins.
- divaricata**, **Parry's Variety**, fine blue, May–July, 12 ins.
- divaricata**, **Violet Queen**, deep violet, May–July, 9 ins.
- Douglasi**, lavender-blue, with yellow eye, summer, prostrate.
- ovata**, rose, May, 12 ins.
- pilosa**, **Brilliant**, bright crimson, May–July, 12 ins.
- procumbens**, lilac-blue, June, 6 ins.
- reptans** (syn. *verna*), rosy purple, May, 3 ins.
- setacea** or **subulata**, deep rose-pink, April–July, 6 ins.
- setacea atropurpurea**, deep rose-purple, 6 ins.
- setacea**, **Brightness**, large salmon-rose, 6 ins.
- setacea compacta**, deep pink, 6 ins.
- setacea frondosa**, pink, with darker eye, 6 ins.
- setacea**, **G. F. Wilson**, lilac, 6 ins.
- setacea**, **Nelsonii**, bluish white, 6 ins.
- setacea**, **Newry Seedling**, soft mauve, 6 ins.
- setacea nivalis**, small pure white flowers, 6 ins.
- setacea**, **Sprite**, rose-pink flowers, 6 ins.
- setacea**, **The Bride**, white flowers, with pink eye, 6 ins.
- setacea**, **Vivid**, bright rose, 6 ins.; does well in the moraine.
- setacea stellaria**, white, April–June, 18 ins. Likes a well drained position.

PHYGELIUS (Cape Fig Wort). Ord. SCROPHULARIACEÆ. Half-hardy perennial. Soil, light rich loam; well drained sunny position on the rockery; protect in winter. Variety cultivated: **capensis**, scarlet, summer, 30 ins.

PHYTEUMA (Horned Rampion). Ord. CAMPANULACEÆ. Hardy perennials. Soil, loam, leaf mould and peat, with old mortar; sunny position on rockery. Varieties cultivated:

comosum, blue, May-June, 4 ins.

Michelii, blue, summer, 1-2 ft.

orbiculare, dark blue, July, 4-6 ins.

pauciflorum, blue, summer, 1-2 ins.

Scheuchzeri, deep blue, summer, 12 ins.

Sieberi, blue, summer, 6-12 ins.

PINGUICULA (Butter Wort; Bog Violet). Ord. LENTIBULARIACEÆ. Hardy perennials. Soil, loam, peat and coarse grit; sheltered moist position on rockery. Varieties cultivated:

alpina, white and yellow, May, 4 ins.

grandiflora, blue and violet, summer, 4 ins.

Reuteri, lilac-pink, summer, 4 ins.

vulgaris, violet, summer, 4-6 ins.

PLATYCODON (Chinese Bell Flower). Ord. CAMPANULACEÆ. Hardy perennials. Soil, sandy loam; well drained, sunny position on rockery. Varieties cultivated:

grandiflorum album, white, veined blue, July, 18 ins.

Mariesi, rich purple, July, 18 ins.

PLUMBAGO (Lead Wort). Ord. PLUMBAGINACEÆ. Hardy evergreen flowering shrub. Soil, sandy loam; sunny position on rockery. Variety cultivated:

Larpetæ, deep blue, August, 12 ins.

PODOPHYLLUM (Duck Foot; May Apple). Ord. BERBERIDACEÆ. Hardy perennials. Soil, moist peat; partially shaded moist position in rockery. Varieties cultivated:

Emodi, white, May, 12 ins.

peltatum, white, May, 6 ins.

POLEMONIUM (Jacob's Ladder; Greek Valerian). Ord. POLEMONIACEÆ. Hardy perennials. Soil, rich loam; well drained sunny position on rockery. Varieties cultivated:

cæruleum, blue, June, 2 ft.

cæruleum album, white variety.

confertum, blue, summer, 16 ins.

flavum, yellow, summer, 3 ft.

humile, pale blue, July, 6 ins.

reptans, bluish purple, spring, 6 ins.

Richardsoni, blue, summer, 12 ins.

POLYGALA (Milk Wort). Ord. POLYGALACEÆ. Hardy perennials. Soil, sandy peat; sunny position on rockery. Varieties cultivated:

chamæbuxus, yellow and purple pea-shaped flowers, summer, 6 ins.

purpurea, gold and purple, summer, 6 ins.

POLYGONUM (Knotweed). Ord. POLYGONACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

brunonis, rose-pink, July–September, 6 ins.

vaccinifolium, pink, July–October, 18 ins.

POTENTILLA (Cinquefoil). Ord. ROSACEÆ. Hardy perennials. Soil, loam, leaf mould and grit; sunny position on rockery. Varieties cultivated:

alba, white, spring, 12 ins.

alchemellioides, white, summer, 6 ins.

alpestris, yellow, summer, 6 ins.

ambigua, yellow, summer, 6 ins.

argyrophylla, yellow, summer, 24 ins.

atrosanguinea, scarlet, summer, 24 ins.

formosa, yellow, summer, 18 ins.

Hopwoodiana, summer, yellow and rose, 18 ins.

Miss Willmott, cherry-red, summer, 12 ins.

nepalensis, crimson, summer, 18 ins.

nitida, rose, summer, 6 ins.

nitida alba, white.

nitida atrorubens, rose.

nitida grandiflora, pink.

nitida rosea, rose.

reptans flora plena, double yellow, April–September, 2 ins., trailing.

rupestris, white, May–June, 18 ins.

sanguinea, bright scarlet, yellow centre, June–August, 2 ft.

Tonguei, yellow, with scarlet centre, June–August, 6 ins.

valderia, white, with silvery foliage, summer, 6 ins.

PRATIA. Ord. CAMPANULACEÆ. Hardy perennial trailers. Soil, two parts peat, one part leaf mould and sand; well drained sunny position on rockery. Varieties cultivated:

angulata, white, summer, 1 in.

arenaria, a stronger growing species of foregoing.

begoniæfolia, blue, summer, trailing.

linnæoides, white pinguicula-like flowers in summer; a diminutive trailer.

Primula denticulata.

PRIMULA. Ord. PRIMULACEÆ. Hardy perennials. Those which require the same treatment I have grouped together. Varieties cultivated :

- acaulis alba plena**, double white, March-May, 4 ins.
- acaulis lilacina plena**, double white, March-May, 4 ins.
- calycina**, lilac, autumn, 6 ins.
- capitata**, violet-purple, autumn, 6-9 ins.
- Elwesiana**, purple, June, 8 ins.
- Forbesii**, rosy purple, orange eye, March-June, 8 ins.
- frondosa**, rosy lilac, March-May, 6 ins.
- glaucescens**, pale violet, summer, 6 ins.
- glutinosa**, bluish purple, summer, 6 ins.
- grandis**, yellow, summer, 9 ins.
- integrifolia**, rose, April-June, 12 ins.
- nivalis**, white, May, 6 ins.
- pubescens**, rosy crimson, April, 3-6 ins.
- rosea**, rosy carmine, yellow centre, spring, 4-6 ins.

The above do best in a mixture of rich loam and leaf mould and sand, in a partially shaded moist position on the rockery.

PRIMULA—CONTINUED.

- altaica*, mauve, with yellow eye, April–May, 6–9 ins.
cashmeriana, violet-purple, April–May, 6 ins.
cashmeriana alba, white.
cashmeriana pulcherima, dark lilac.
cortusoides, rose, June, 6–10 ins.
floribunda, golden-yellow, summer, 4–8 ins.
latifolia, violet, fragrant, June, 4–6 ins.
Littoniana, bright red, opening to rich purple, summer, 18 ins.
marginata, lilac or white, June, 2 ins.
purpurea, purple, March–June, 6 ins.
spectabilis, rosy purple, July, 3 ins.
viscosa, rosy shades, June, 4 ins.

The foregoing do best in a moist sandy loam in a sunny position on the rockery.

The undermentioned varieties do best in a mixture of peat, loam and leaf mould, in a very moist, partially shaded position on rockery.

- Beesiana*, glowing purple, May–July, 18 ins.
Bulleyana, orange-yellow, May–July, 18 ins.
denticulata, March–May, 12 ins.
denticulata alba, white variety.
involucrata, umbels of large white flowers, very fragrant, summer, 12 ins.
japonica, rosy purple, May–June, 18 ins.
Julia, rosy purple, May–June, 4 ins.
Juliana, brilliant amaranth flowers, May–June, 4 ins.
megasæfolia, lilac, winter flowering, 4 ins. Requires well sheltered position.
minima, rose, with yellow centre, spring, 6 ins.
muretiana, bright purple, April–May, 6 ins.
Palinuri, large leaves, small yellow flowers, spring, 4 ins.
Parryi, purple, with yellow centre, spring, 6–8 ins.
pulverulenta, crimson, with orange centre, May–June, 18 ins.
Scotica, rosy lilac, March–May, 4 ins.
spectabilis, rose-pink, spring, 3 ins.
vittata, long green leaves and purple blooms, spring.
Vochinensis, purple, spring.
Wardii, pale violet, 6 ins.
Winteri, the most beautiful primrose in cultivation, grey-green leaves and white eye.
Wulfeniana, rosy purple, spring, 6 ins.

PRUNELLA (Self Heal). Ord. LABIATÆ. Hardy perennials. Soil, sandy loam; well drained sunny position on rockery. Varieties cultivated:

- grandiflora*, purple and chocolate, July–August, 9 ins.
alba, white variety.
rubra or *Webbiana*, red.
vulgaris laciniata, purple, July, 12 ins.

PULMONARIA (Lungwort). Ord. BORAGINACEÆ. Hardy perennials. Soil, loam, old lime and sand ; well drained, partially shaded, moist position on rockery. Varieties cultivated :

angustifolia, blue and pink, spring, 12 ins.

angustifolia azurea, gentian blue, March-May, 12 ins.

arvernense, azure-blue, March-May, 9 ins.

officinalis, red and violet, spring, 12 ins.

rubra, rosy red, May-June, 12 ins.

saccharata, dull rose to purple, May-June, 12 ins. This variety likes stiff loam, without the addition of lime and sand.

Primula marginata.

PUSCHKINIA (Striped Squill). Ord. LILIACEÆ. Hardy flowering bulbous plants. Soil, light sandy loam ; well drained sunny position on rockery. Varieties cultivated :

scilloides (syn. *Libanotica*), white, striped with blue, spring, 4 ins.

scilloides compacta, dwarf.

PYROLA (Winter Green). Ord. ERICACEÆ. Hardy perennials. Soil, equal parts loam, leaf mould and sand ; moist partially shaded positions on rockery. Varieties cultivated :

elliptica, white, fragrant, summer, 6 ins.

media, white and red, summer, 4 ins.

minor, white and red, summer, 8 ins.

rotundifolia, white, fragrant, summer, 6 ins.

PYXIDANTHERA (Pine-Barren Beauty). Ord. DIAPENSIACEÆ. Hardy evergreen creeping shrub. Soil, equal parts peat, leaf mould and sand; sunny position on rockery. Variety cultivated:

barbulata, white and rose, summer. 2 ins.

RAMONDIA (Rosette Mullein). Ord. GESNERACEÆ. Hardy perennials. Soil, two parts peat, one part leaf mould and sand; partially shaded, moist, well drained positions in fissures in rockery. Varieties cultivated:

Heldreichii, violet, summer, 3 ins.

Nataliæ, purple, summer, 3 ins.

pyrenaica, violet-purple, with orange eye, April-June, 6 ins.

Preferably planted on north side of rockery.

pyrenaica alba, a rare white form.

RANUNCULUS (Crow Foot; Buttercup; Fair Maids of France). Ord. RANUNCULACEÆ. Hardy tuberous rooted perennials. Soil, loam, leaf mould, peat and sand; partially shaded, well drained position on rockery. Varieties cultivated:

aconitifolius, white, May, 12 ins.

acris flore pleno, double yellow, spring, 18 ins. Best in wet positions.

alpestris, white, April-June, 3 ins.

amplexicaulis, white, May, 6-12 ins.

bilobus, white, spring, 4 ins.

bulbosus flore pleno, double yellow, spring, 12 ins.

bullatus, orange-yellow, May, 12 ins. Rather tender.

glacialis, white and rose, summer, 6 ins.

gramineus flore pleno, yellow, spring, 6-8 ins.

monspeliacus, yellow, spring, 12 ins.

montanus, white, spring, 4 ins.

parnassifolius, white, June, 6 ins.

speciosus plena, double yellow, with green centres, May-July, 12 ins.

RAOULIA. Soil, gritty loam; sunny position on rockery. Varieties cultivated:

Australis, silvery leaves and minute yellow flowers in summer.
A trailing plant.

glabra, green foliage and white flowers.

REINECKEA. Ord. LILIACEÆ. Hardy perennials. Soil, ordinary; sunny position on rockery. Varieties cultivated:

carnea, pink, fragrant, April, 6 ins.

carnea variegata, variegated.

RHODODENDRON. Ord. ERICACEÆ. Hardy evergreen, deciduous flowering shrubs. Dwarf species, suitable for rockeries. Soil, peat and loam, free from lime; sunny position on rockery. Varieties cultivated:

- caucasicum**, purple, August, 12 ins.
- ferrugineum**, scarlet, June, 18 ins.
- ferrugineum album**, white, June, 18 ins.
- ferrugineum majus**, scarlet, June, 18 ins.
- racemosum**, white and pink, April, 3 ft.

RHODOTHAMNUS (Ground Cistus). Ord. ERICACEÆ. Hardy evergreen flowering shrub. Soil, equal parts loam, peat and sand; sunny position in limestone fissures in rockery. Variety cultivated:

- chamæcistus** (syn *Rhododendron chamæcistus*), pink, spring, 6 ins.

SAGINA (Pearl Wort). Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, ordinary; sunny position on rockery. Varieties cultivated:

- glabra**, white, summer, 2 ins.
- glabra pilifera aurea**, leaves golden-yellow.

SALIX (Willow). Ord. SALICINEÆ. Hardy deciduous trees. Soil, moist heavy loam; very moist position on rockery. Varieties cultivated:

- herbacea**, 2 ins.
- reticulata**, veined leaves, with silvery hairs, 6 ins.
- serpyllifolia**, a creeping variety.

SAMOLUS (Tasmanian Water Pimpernel). Ord. PRIMULACEÆ. Hardy perennial. Soil, sandy peat; moist position on rockery or bog. Variety cultivated:

- repens**, white, August, 6 ins.

SANGUINARIA (Blood Root). Ord. PAPAVERACEÆ. Hardy perennial. Soil, sandy loam and peat; sunny position on rockery. Variety cultivated:

- canadensis**, white, April, 6 ins.

SANTOLINA (Lavender Cotton). Ord. COMPOSITÆ. Hardy evergreen shrubby plants. Soil, loam, old lime and sand; well drained sunny position on rockery. Varieties cultivated:

- chamæcyparissus incana**, yellow, July–August, 18 ins.
- nana**, yellow, July, 6 ins.
- pinnata**, white, July–August, 18 ins.

SAPONARIA (Soapwort; Hedge Pink). Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, loam, leaf mould and sand; well drained sunny position on rockery. Varieties cultivated:

- cæspitosa**, pink, summer, 6 ins.
- lutea**, yellow, summer, 6 ins.
- ocymoides**, sheets of pale pink flowers, May–June, 6 ins.
- ocymoides splendidissima**, pale pink, summer, trailing.

SAPONARIA—CONTINUED.

officinalis rosea plena, rosy pink, double.

Willkommiana, rosy pink. summer, 9 ins.

SARRACENIA (Huntsman's Horn; Indian Cup). Ord. SARRACENIACEÆ. Half-hardy perennials. Soil, equal parts peat and sphagnum moss; very moist, sunny, sheltered nook in rockery or bog. Protect in winter. Varieties cultivated:

Drummondii, flowers purple, leaves green, white and purple, June, 12 ins.

flava, yellow, June, 2 ft.

flava atrosanguinea, cream and yellow, June, 12 ins.

flava Catesbæi, veined red.

flava limbata, crimson and brown.

psittacina, flowers purple, leaves veined red and purple, June, 12 ins.

purpurea, flowers and leaves purple, spring, 12 ins.

rubra, flowers red, leaves purple, June, 12 ins.

variolaris, flowers yellow, leaves spotted white, June, 12 ins.

SATUREIA (Winter Savory). Ord. LABIATÆ. Hardy ever-green shrubs. Soil, ordinary; sunny position on rockery. Varieties cultivated:

montana (Winter Savory), purple, June, 6–8 ins.

pygmæa, lilac, August, 6 ins.

SAUSSUREA (Saw Wort). Ord. COMPOSITÆ. Hardy perennial. Variety cultivated:

japonica (syn. *Serratula japonica*), purple, summer, 2 ft.

SAXIFRAGA (Rockfoil; London Pride). Ord. SAXIFRAGACEÆ. Hardy and tender perennials.

(1) **Encrusted Species**. Silvery leaves, borne in rosettes. Soil, loam, sand and grit; well drained sunny or partially shaded positions in fissures in rockery or in walls.

aizoon, creamy white, June, 2–3 ins., and its varieties, similar height and time of flowering.

balcana, pink, spotted blossoms.

baldensis, pink.

balearica, white and crimson.

carinthiaca, white.

Griesbachii, rose.

intacta, white.

la graveana, snow-white.

lutea, pale yellow.

minor, very small white.

notata, white.

paradoxa, silver foliage, white flowers.

Rex, heads of white flowers on short stems.

rosea, rose-pink.

rosularis, incurved rosettes, white flowers.

Sturmiana, white, very compact rosettes.

Saxifraga cotyledon.

SAXIFRAGA—CONTINUED.

aizoides, yellow and red, summer, 3-6 ins.

altissima, white, summer, 12 ins.

Andrewsii, white, spotted purple, May-June, 9 ins.

Burnati hybrid (*Cochlearis aizoon*), white, summer, 6 ins.

calabrica, white, June, 12 ins.

carinthiaca, white, summer, 6 ins.

SAXIFRAGA—CONTINUED.

- carniolica*, white, May-June, 9 ins.
circinata, white, summer, 6 ins.
cochlearis major, white blooms on red stems, May-June, 6 ins.
cochlearis minor, white, May-June, 4 ins.
cotyledon pyramidalis, white, June, 18 ins.
crustata, white and purple, summer, 12 ins.
Dr. Ramsay, white, May-June, 12 ins.
Engleri, white, summer, 9 ins.
Gaudini, white, summer, 9 ins.
Hostii, white, May-June, 12 ins.
Kolenatiana, pale pink, April-May, 9 ins.
Kolenatiana major, pale pink, June-July, 12 ins.
lantoscana vera, white, May-June, 12 ins.
lingulata Bellardi, white, May-June, 12 ins.
lingulata hybrid, white, May-June, 9 ins.
longifolia, white, July, 18 ins. Does well in moraine or in crevices on wall.
longifolia cochlearis hybrid, white, June-July, 12 ins.
longifolia var. latifolia, white, with strap-like leaves, June-July, 12 ins.
Macnabiana, white and crimson, May-June, 16 ins.
nepalensis, silvery rosettes, white blooms, June, 6 ins.
pectinata, white flower, with white-edged leaves, summer, 4 ins.
portæ, a small white Aizoon, June, 4 ins.
pyrenaica, small rosettes of white flowers, June, 6 ins.
robusta, a fine form of Aizoon, white, June, 6 ins.
Rocheliana, white, May, 3 ins.
Rocheliana lutea, large yellow, May, 4 ins.
scardica, white, summer, 6 ins.
stenoglassa, white, summer, 6 ins.
valdensis, white, May, 3 ins.
Westmooriensis, red, June, 3 ins.
- (2) **Kabschia Species.** Require a mixture of loam, leaf mould, old lime and grit, and a partially shaded well drained moist position on rockery.
- æmula*, sulphur-yellow, February-April, 4 ins.
apiculata, yellow, February-April, 4 ins.
apiculata alba, white, February-April, 4 ins.
aretioides, yellow miniature flowers, February-April, 3 ins.
aretioides primulinum, primrose-yellow variety of foregoing.
Borgii, white, a very small species, spring.
Borisii, yellow, spring, 4 ins.
Boydii, pure yellow, spring, 3 ins.
Boydii alba, pure white, spring, 6 ins.

*Saxifraga lantoscana.***SAXIFRAGA—CONTINUED.**

Burseriana, pure white, March, 3 ins.

Burseriana crenata, white, with crimped petals, spring, 3 ins.

Burseriana gloria, pure white, very large blooms, spring, 6 ins.

Burseriana major, March–May, 3 ins.

Burseriana speciosa, March–May, 4 ins.

Burseriana sulphurea, yellow, March–May, 4 ins.

cæsia, white, spring, 3 ins.

Cherry Trees, yellow, spring, 4 ins.

coriophylla, white, spring, 4 ins.

Desoulevyi, yellow, spring, 4 ins.

diapensioides, white, spring, 4 ins.

Elizabethæ, sulphur-yellow, spring, 3 ins.

eudoxiana, orange-yellow, spring, 4 ins.

Faldonside, pale yellow, February–March, 4 ins.

Ferdinandi Coburgi, golden-yellow, spring, 3 ins.

Haagii, dark green cushion, golden-yellow flowers, spring, 4 in.

Irvingi, pink, spring, 3 ins.

juniperina, yellow, February–March, 3 ins.

SAXIFRAGA—CONTINUED.

- Kotschyi**, yellow, spring, 4 ins.
Kyrilli, yellow, April-May, 6 ins.
lilacina, rosy lilac, May-June, 1 in.
L. G. Godsef, lemon-yellow, spring, 4 ins.
Macedonica, yellow, spring, 4 ins.
marginata, white, May-June, 3 ins.
Mrs. Leng, golden-yellow, spring, 4 ins.
muscoides atropurpurea, purple, April, 3 ins.
Obristi, large white, June, 4 ins.
ochroleuca, yellow, spring, 4 ins.
Paulinæ, yellow, spring, 4 ins.
pectinata, white, spring, 2 ins.
Petraschi, white, spring, 4 ins.
Primrose Bee, yellow, spring, 3 ins.
pseudo-sancta, close heads of yellow flowers, spring, 3 ins.
Rochelliana, white, spring, 4 ins.
Rochelliana lutea, sulphur-yellow, spring, 4 ins.
Salamoni, white, February-March, 3 ins.
sancta, pale yellow, March-April, 3 ins.
Sartori, yellow, spring, 3 ins.
scardica, large white flowers on 2 inch stems, spring.
squarrosa, white, June, 2 ins.
Sundermanni, white, June, 4 ins.
Tombeanensis, white, spring, 3 ins.
Tyrolensis, white, spring, 3 ins.
valdensis, white, May-June, 4 ins.
Vendelli, white, spring, 3 ins.

(3) **Engleria Section** and crosses between this section and **Kabschia Varieties**. Soil and position in rockery similar to Kabschia section, with plenty of grit. Spring flowering. 3-6 inches high.

- Bertolini** (Frederici-Augusti porophylla), red stems, with red flowers, 3 ins.
Biasoletti (Frederici-Augusti Griesbachii), red flowers, 6 ins.
Clarkei, a pink hybrid.
Frederici-Augusti, red, 4 ins.
Grevieri (Media aretioides), yellow.
Griesbachii, purple, 6 ins.
Gusmusi (Frederici-Augusti luteo-viridis), greyish rosettes, red flowers.
Kellereri, large rosy pink.
Kewensis (Burseriana Frederici-Augusti), rose tinted petals, with bright red sepals.
luteo-purpurea (Media aretioides), red stems, red sepals and yellow petals.
media, crimson flowers.
porophylla, purplish flower stems.
Stribryni, red flowers on red tinged stems.
Stuartii, yellow flowers on red stems.

Saxifraga Burseriana.

SAXIFRAGA—CONTINUED.

(4) **Dactyloides Section.** Mossy Saxifrages. Soil, sandy loam; moist, sunny or partially shaded position on rockery.

ajugifolia, white, April-June. 9 ins.

Apple Blossom, pale pink, April-June, 6 ins.

Arkwrighti, white, April-May, 6 ins.

Bakeri, bright red, spring, 4 ins.

Bathoniensis, large crimson, April-May, 9 ins.

Buff Queen, buff, prettily veined. April-May, 9 ins.

cæspitosa, white, summer, 3 ins.

ceratophylla, white, April-June, 9 ins.

Clibrani, crimson, April-June, 6 ins.

Crimson King, crimson, April-June, 6 ins.

decipiens, white, spring, 4 ins.

densa, white, May-June, 6 ins.

Ditton's Crimson, crimson, April-May, 6 ins.

geranioides, white, May-June, 6 ins.

Saxifraga Wallacei.

SAXIFRAGA—CONTINUED.

- Guildford Seedling**, crimson, May-June, 6 ins.
hypnoides, white, May-June, 6 ins.
hypnoides purpurea, rose, May-June, 6 ins.
Loveliness, shell-pink, summer, 4 ins.
moschata, white, June, 4 ins.
Mrs. R. Hudson, deep crimson, summer, 4 ins.
muscoides alba, white, May-June, 4 ins.
muscoides compacta, white, May-June, 4 ins.
muscoides purpurea, red, May-June, 3 ins.
muscoides Rhei, pink, May-June, 6 ins.
palmata, large white, April-June, 6 ins.
R. W. Hosier, crimson, May-June, 6 ins.
sanguinea superba, deep blood-crimson, summer, 4 ins.
Sponheimica, white, May-June, 4 ins.
trifurcata, white, April-June, 6 ins.
Wallacei, creamy white, March-May, 6 ins.
Wenlock's Best of All, red, May-June, 6 ins.

SAXIFRAGA—CONTINUED.

- (5) **Negasea Section.** Soil, loam and leaf mould ;
partially shaded moist position on rockery.

cordifolia, pink, March–April, 12 ins.

crassifolia, pink, March–April, 15 ins.

gigantea, purple, March–April, 12 ins.

Milesii, white, 12 ins.

Progress, rosy pink, 12 ins.

- (6) **Trachyphyllum Section**, liking a moist position in
partial shade, from 3–6 inches high, flowering in spring.
Soil, rich loam.

aizoides, bright yellow.

aizoides atrorubens, orange-red.

aspera, pale yellow, rambling.

Brunnoniana, yellow ; a new Chinese species.

lævis, yellow.

tenella, a compact mossy tuft, having large white flowers.

- (7) **Porphyrium Section.** Soil, loam, leaf mould and sand ;
partially shaded, well drained moist position on rockery.

oppositifolia, pink, March–April, 2 ins.

oppositifolia alba, white variety.

oppositifolia grandiflora, beautiful large flowered pink.

oppositifolia splendens, rosy crimson.

retusa, crimson, March–April, 1 in.

Rudolphiana, red, March–April, 2 ins.

Wetterhorn, deep rose variety.

- (8) **Miscopetala Section.** Soil, ordinary ; well drained,
sunny or partially shaded position on rockery.

rotundifolia, white and scarlet, spring, 1 ft.

- (9) **Robertsonia Section** (Umbrosa), London Pride. Soil,
loam, leaf mould and sand ; sunny or shady position on
rockery or in walls.

Andrewsi, pink, May, 4 ins.

Bucklandi, white, May–June, 4 ins.

cunefolia, white and pink, May–June, 4 ins.

Geum, white and pink, May–June, 9 ins.

Geum minor, small variety of foregoing.

primuloides, red, May–June, 4 ins.

umbrosa, white or pink, May–July, 12 ins.

umbrosa serratifolia, white and pink, May–July, 12 ins.

- (10) **Hirculus Section.** Soil, loam and peat ; moist
shady position, preferably in bog garden.

grandiflora, large yellow flowers, summer, 12 ins.

- (11) **Peltuphyllum Section.** Soil, loam and peat ; moist
position in rockery or bog garden.

peltata, rosy flowers on tall red stems, umbrella-shaped
leaves, summer, 18 ins.

SAXIFRAGA—CONTINUED.

(12) **Nephrophyllus Section.** Soil, sandy loam ; sunny or shady position on rockery.

granulata, white, May, 6-10 ins.

granulata plena, a very fine double form.

(13) **Diptera Section.** Soil, ordinary ; sunny well drained position in rockery or in walls.

sarmentosa (Mother of Thousands), yellow, white and scarlet, summer, trailing.

SCABIOSA (Scabious ; Pin Cushion Flower). Ord. **DIPSACEÆ**. Hardy perennials. Soil, sandy loam ; sunny, well drained position on rockery. Varieties cultivated :

caucasica, soft mauve, July-October, 24 ins.

caucasica alba, a good white form.

graminifolia, silvery foliage, rosy lilac flowers, summer, 6 ins.

ochroleuca Webbiana, yellow, July, 6 ins.

pterocephala, pink-mauve, Summer, 6 ins.

SCHIZOCODON. Ord. **DIAPENSIACEÆ**. Hardy perennial. Soil, equal parts peat, leaf mould and sand ; partially shaded, sheltered position on rockery. Variety cultivated :

soldanelloides, rose, March, 4 ins.

SCILLA (Squill). Ord. **LILIACEÆ**. Hardy bulbous plants. Soil, sandy loam ; sunny well drained position on rockery. Varieties cultivated :

bifolia, blue, March, 6 ins.

bifolia alba, white.

bifolia rosea, rose.

hispanica, blue, May, 12 ins.

hispanica alba, white.

hispanica cornea, flesh.

hispanica rosea, rose.

hispanica rubra, red.

nutans (Bluebell), blue, April, 8-15 ins.

nutans alba, white.

nutans rosea, rose.

nutans cernua, blue.

sibirica, blue, February, 3-6 ins.

sibirica alba, white.

SCOLOPENDRIUM (Hart's Tongue Fern). Ord. **FILICES**. Hardy evergreen ferns. Soil, equal parts peat, loam, leaf mould and sand, with plenty of old limestone grit ; shady position in rockery or in crevices in walls. Varieties cultivated :

vulgare, 6-18 ins., and its varieties : **crispum**, **grandiceps**, **Kelwayi**, **marginatum**, **omnilacerum**, **ramosum**, **undulatum**, **variegatum**.

SCUTELLARIA (Helmet Flower). Ord. LABIATÆ. Hardy perennials. Soil, two parts loam, one part leaf mould and sand: sunny open position on rockery. Varieties cultivated:

alpina, purple, August, 6-8 ins.

alpina alba, white variety.

indica japonica, bright lavender, August, 6 ins.

japonica, purple and white, summer, trailer.

laterifolia, blue, July, 12 ins.

SEDUM (Stonecrop). Ord. CRASSULACEÆ. Hardy perennials. Soil, for the majority, sandy loam; sunny well drained position on rockery. Exceptions are mentioned in detail in the following list. Varieties cultivated:

Acre, yellow, June-July, 2-3 ins. Does well in walls.

acre aureum, golden foliage, June-July, 2-3 ins. Does well in wall.

aizoon, yellow, June-July, 6 ins.

album, white, May-July, 3-6 ins.

anacampseros, violet, June-July, trailing variety. Likes rubble added to above soil mixture.

arboreum, white, July-August, 9 ins. Likes lime added to soil.

blandum, yellow, July-August, 9 ins. Lime added to soil.

boloniense, yellow, May-July, 4 ins.

brevifolium, white, July, 2 ins. Lime added to soil; also does well on wall.

brevipes, white, June-July, 4 ins. Lime to soil; does well in wall.

brevipes major, pinkish white, June-July, 6 ins. Soil, etc., as foregoing.

corsicum, rose and white, May-June, 4 ins.

dasyphyllum, white and pink. June-July, 3 ins.

elegans, yellow, June-July, 12 ins.

Ewersi, pink, August-September, 6 ins. Likes plenty of grit added to soil.

Fosterianum glaucum, yellow, June-July, 9 ins.

glaucum, white and pink. June-July, 3 ins.

hispanicum (syn. *glaucum*).

hybridum, bronze, July-August, 9 ins. Likes plenty of rubble in soil and very warm, sheltered position.

ibericum, deep pink, summer, trailing.

involutratum, deep crimson, May-July, 3-6 ins.

Kamtschaticum, golden-yellow, July-August, 9 ins.

Kamtschaticum variegatum, golden-yellow. July-August, 6 ins.

lydium, white, June-July, 4 ins. Does well in wall.

Maweanum, yellow, July-August, 4 ins. Does well in wall.

maximum purpureum, crimson, August-September, 24 ins.

Maximowiczii, yellow, summer, 12 ins.

Rock Garden on the Banks of a Stream.

SEDUM—CONTINUED.

Middendorffianum, yellow, July–August, 9 ins. Likes lime in the soil.

obtusatum, golden-yellow, August–September, 6 ins. Likes plenty of rubble in the soil.

oppositifolia, white, July, 6 ins.

pilosum, rose-pink, summer, 6 ins.

populifolium, pink, August, 8–10 ins.

primuloides, white, summer, 6 ins.

pruinatum, yellow, July–August, 9 ins.

pulchellum, pink, July–August, 9 ins.

reflexum, yellow, summer, 8–10 ins.

rhodo-sibiricum, greenish, July, 9 ins.

roseum, reddish purple, summer, 6–10 ins.

rupestre, yellow, July, 4 ins.

sempervivum, scarlet, summer, 6 ins.

Spathulifolium, yellow, June–July, 9 ins. Likes rubble in soil.

spectabile, pink, August–September, 18 ins.

spectabile atropurpureum, crimson, August–September, 18 ins.

spectabile, **Brilliant**, rich crimson, August–September, 18 ins.

spectabile carmineum, bright red, August–September, 18 ins.

spectabile pallidum, pink, August–September, 18 ins.

All *Spectabiles* like a moist position.

spurium, pink, July–August, 6 ins.

spurium album, white.

spurium rubrum, red.

stoloniferum, pale pink, July–August, 6 ins. Moist position.

telephium, pink, summer, 12 ins.

SEMPERVIVUM (House Leek). Ord. CRASSULACEÆ. Hardy succulent-leaved perennials. Soil, well drained, sandy, light, with addition of plenty of rubble or old mortar; any sunny nook, fissures or ledge of stone in rockery, or crevices in walls. Varieties cultivated :

aconitum, tipped with bright red.

arachnoideum, pale green, with dense web.

arachnoideum gnaphaloides, green and red webbed.

arachnoideum Greeni, flat, pale green.

arachnoideum hirtum, fresh green, hair edge.

arachnoideum, **House's Variety**, pale green, webbed.

arachnoideum Webbianum, green and red, dense web.

atlanticum, medium size, green, tipped brown.

atropurpureum, brownish, with deeper tips.

atroviolaceum, deep purple, tipped grey green.

Boutignyanum, large light green rosettes.

Braunii, purple tipped.

calcareum, blue-green, with maroon tips.

californicum, large, purple tipped.

SEMPERVIVUM—CONTINUED.

- carmilla**, red tipped, small rosettes.
chrysanthum, hairy green rosettes, yellow flowers.
ciliatum, yellow flowers.
cornuta carnea, green, tipped crimson.
cornutum, green.
Doellianum, green, webbed.
fimbriatum, green, with hairy edges.
Hausmanni, soft green-grey, with yellow flowers.
Heuffelii, inside green, outside and tips brown.
Hookeri, a very minute, pale green webbed species.
Jardin des Plantes, light green, tipped crimson.
juratense, dark green, small rosettes.
juratum, like Heuffelii, only longer.
Le Harpei, green, base of rosettes dull red.
montanum, medium size, fresh green.
Neilreichii, very pointed leaves, pale yellow flowers.
ornatum, light green, slightly webbed.
Powellii, bright green, tipped reddish brown.
purpureum, dark green and brown.
pyrenaicum, pale green.
reginæ-amaliæ, green, with yellow flowers.
rubicundum, deep crimson.
Schottii, brownish green, with deeper tips.
Smithi, dark green, with brown tips.
Studerii, pale glaucous green.
tectorum (House Leek), red.
Thomayeri, green, cobwebbed.
tomentosum, very large rosettes, webbed.
triste, glaucous green, copper red tips.
Verloti, large bright green, tipped brown.
Wulfeni, green, with yellow flowers.

SENECIO (Cineraria; Ragwort). Ord. COMPOSITÆ. Soil, deep sandy loam; partially shaded position on rockery. Varieties cultivated:

- Tyrolensis**, bright orange flowers, summer, 9 ins.
Wilsonianus, resembles the foregoing, with golden-yellow flowers.

SHORTIA. Ord. DIAPENSIACEÆ. Hardy perennials. Soil, loam, peat and sand; partially shaded, moist position on rockery. Varieties cultivated:

- galacifolia**, white, March–April, 6 ins.
uniflora, pink, spring, 6 ins.

SIBTHORPIA (Cornish Money Wort). Ord. SCROPHULARIACEÆ. Hardy perennial. Soil, equal parts loam, leaf mould and sand; partially shaded, moist position on rockery. Variety cultivated:

- europæa variegata**, pink, July, trailing.

SILENE (Catch Fly). Ord. CORYOPHYLLACEÆ. Hardy perennials. Soil, sandy loam and grit; sunny well drained positions on rockery. Varieties cultivated:

- acaulis**, pink, July–August, 1 in.
- acaulis alba**, white variety.
- acaulis flore pleno**, double rose.
- alpestris**, white, summer, 6 ins.
- alpestris flore pleno**, double form, with very large flowers.
- Elizabethæ**, rose, summer, 4 ins.
- Fortunei**, pink, summer, 6 ins.
- maritima flore pleno**, double white, summer, trailing.
- Pennsylvanica**, pink, spring, 6 ins.
- pumilo**, rosy pink, spring, 6 ins.
- rupestris**, white, May, 4–6 ins.
- Schaftæ**, rosy purple, summer, 6 ins.
- vallesia**, brownish red, summer, trailing.
- Veselskyi**, summer, white, 4 ins.
- Zawadskii**, white, summer, 9 ins.

SISYRINCHIUM (Satin Flower; Rush Flower). Ord. IRIDACEÆ. Hardy perennials. Soil, sandy loam; well drained, sunny moist position on rockery. Varieties cultivated:

- anceps** (syn. *Angustifolium*), blue, summer, 6 ins.
- anceps Cœlesti**, sky-blue, summer, 6 ins.
- Bermudianum**, summer, 12 ins.
- Californicum**, yellow, July–August, 12 ins.
- grandiflorum**, purple, spring, 12 ins.
- grandiflorum album**, white variety.
- iridifolium**, pale blue, July–August, 12 ins.
- striatum**, yellow, June–July, 24 ins.

SOLDANELLA (Blue Moon Wort). Ord. PRIMULACEÆ. Soil, loam, peat and sand; partially shaded, well drained, moist position on rockery. A difficult plant to grow. Varieties cultivated:

- alpina**, purple, April–June, 3 ins.
- alpina alba**, white variety.
- alpina pyrolæfolia**, violet, April–June, 3 ins.
- hybrida**, blue, April, 2 ins.
- minima**, lilac and purple, April, 2 ins.
- montana**, purple, April, 3 ins.
- pusilla**, blue, April, 2 ins.

STACHYS (Wound Wort). Ord. LABIATÆ. Hardy perennials. Soil, loam, old lime, sand, grit; sunny, well drained position on rockery. Varieties cultivated:

- coccinea**, scarlet, summer, 2 ft.
- Corsica**, blush-white, summer, 2 ins.
- lanata**, purple, June–August, 2 ft.
- lavandulifolia**, rosy purple, summer, 1 ft.

STATICE (Sea Lavender ; Sea Pink). Ord. PLUMBAGINACEÆ. Soil, loam, old lime and sand ; sunny well drained position on rockery. Varieties cultivated :

- auriculæfolia**, lavender, summer, 6 ins.
- bellidifolia**, deep lavender, summer, 6 ins.
- Bonduelli**, yellow, June, 1-2 ft.
- eximea flora alba**, white, July-August, 2 ft.
- Gmelini**, blue, summer, 1-2 ft.
- Gougetiana**, lavender-blue, summer, 4-6 ins.
- incana**, pink, summer, 6-9 ins.
- incana hybrids**, various shades of pink.
- latifolia**, blue, June.
- limonium**, lilac, summer, 9 ins.
- tartarica**, red and blue, summer, 12 ins.

STOKESIA (Stoke's Aster). Ord. COMPOSITÆ. Hardy perennials. Soil, sandy loam ; sunny, well drained position on rockery. Varieties cultivated :

- cyanea alba**, white, summer, 15 ins.
- cyanea præcox**, lavender-blue, summer, 15 ins.

SYMPHANDRA (Pendulous Bell Flower). Ord. CAMPANULACEÆ. Hardy perennials. Soil, rich loam ; sunny well drained position on rockery. Varieties cultivated :

- Hoffmanni**, white drooping bells, summer, 12 ins.
- pendula**, blue, summer, trailing.
- Wanneri**, pale blue, summer, 12 ins.

TANAKCÆA. Shrubby perennial. Soil, rich loam ; shady position on rockery. Variety cultivated :

- radicans**, leathery leaves, white flowers, spring, 6 ins.

TELLIMA. Ord. SAXIFRAGACEÆ. Hardy perennial. Soil, sandy loam ; sunny, well drained position on rockery. Variety cultivated :

- grandiflora rubra**, greenish white to red, May-June, 24 ins.

TEUCRIUM (Cat Thyme). Ord. LABIATÆ. Hardy perennials. Soil, sandy loam ; sunny, well drained position on rockery. Varieties cultivated :

- aureum** (syn. *Polium*), golden-yellow, July-August, 9 ins.
- marum**, purple, summer, 12 ins.
- scorodonia variegatum**, variegated foliage, 12 ins.

THALICTRUM (Meadow Rue). Ord. RANUNCULACEÆ. Hardy perennials. Soil, loam, leaf mould, sand and grit : sunny well drained position on rockery. Varieties cultivated :

- alpinum**, white, summer, 6 ins.
- anemonoides**, white Anemone-like flowers, summer, 6 ins.
- aquilegifolium**, white or pale mauve, summer, 18-24 ins.

Likes shade.

An old Wall Rockery.

THALICTRUM—CONTINUED.

atro-purpureum, dark mauve, summer, 18 ins.

minus, purple, summer, 18 ins.

minus adiantifolium (like Maidenhair Fern), summer, 12 ins.

Likes shade.

THYMUS (Thyme). Ord. LABIATÆ. Hardy, aromatic, shrubby perennials. Soil, sandy loam; well drained sunny position on rockery, or in fissures in wall. Varieties cultivated:

azoricus, mauve, July–August, 12 ins.

azoricus argenteus, pale lilac, July–August, 9 ins.

azoricus aureus, pale lilac, July–August, 9 ins.

erectus, white, July–August, 9 ins.

micans, purple, July–August, 4 ins.

Marschallianus, rosy crimson, July–August, 4 ins.

serpyllum (Wild Thyme), pale pink, July–August, 3 ins.

serpyllum albus, white, July–August, 3 ins.

serpyllum citriodorus argenteus.

serpyllum coccineus, purple-red, July–August, 3 ins.

serpyllum roseus, pink, July–August, 3 ins.

splendens, crimson, July–August, 3 ins.

Tiarella cordifolia.

TIARELLA (Foam Flower). Ord. SAXIFRAGACEÆ. Hardy perennial. Soil, sandy loam; sunny well drained position on rockery, or in fissures in wall. Variety cultivated:

cordifolia, creamy white, April–June, 12 ins.

TOLMIEA. Ord. SAXIFRAGACEÆ. Hardy perennial. Soil, sandy loam; sunny well drained position on rockery. Variety cultivated:

Menziesii, green flowers, March–April, 12–18 ins.

TRACHELIUM (Blue Throat Wort). Ord. CAMPANULACEÆ. Hardy perennials. Soil, two parts sandy loam, one part leaf mould; sunny position on rockery. Varieties cultivated:

cæruleum, blue, August, 2 ft.

cæruleum album, white, August, 2 ft.

TRADESCANTIA (Spider Wort). Ord. COMMELINACEÆ. Hardy perennials. Soil, ordinary; partially shaded position on rockery. Varieties cultivated:

- purpurea*, purple, spring, 18 ins.
- violacea*, deep violet-blue, spring, 18 ins.
- virginica*, violet-blue, spring, 18-24 ins.
- virginica alba*, white.
- virginica flore pleno*, double.
- virginica rubra*, crimson, spring, 18 ins.

TRIENTALIS (Star Flower). Ord. PRIMULACEÆ. Hardy perennials. Soil, light rich loam; shady position on rockery. Varieties cultivated:

- americana*, white, May, 6 ins.
- europæa*, white, summer, 6 ins.

TROLLIUS (Globe Flower). Ord. RANUNCULACEÆ. Hardy perennials. Soil, equal parts loam and leaf mould; partially shady, well drained, moist position on rockery. Varieties cultivated:

- asiaticus*, orange-yellow, May-June, 18 ins.
- europæus*, yellow, April-May, 12 ins.
- Orange Globe**, very large orange flowers, April-May, 18 ins.
- patulus*, pale yellow, April-June, 12 ins.
- pumilus*, pale yellow, April-June, 6 ins.

TUNICA. Ord. CARYOPHYLLACEÆ. Hardy perennials. Soil, sandy loam; well drained, sunny, moist position on rockery, or in fissures in wall. Varieties cultivated:

- saxifraga*, pale pink, summer, 6 ins.
- saxifraga alba plena*, double white, summer, 6 ins.
- saxifraga plena*, double pale pink, summer, 6 ins.
- saxifraga rosea*, rose-pink, summer, 6 ins.

VACCINIUM (Whortleberry). Ord. VACCINIACEÆ. Hardy evergreen, flowering and berry-bearing shrubs. Soil, moist peat; moist sunny position on rockery. Varieties cultivated:

- myrtillus* (Bilberry), flowers rose and green, berries dark blue, spring, 18 ins.
- vitis-idæa*, pink, evergreen, spring, trailing.

VALERIANA (Cretan Spikenard). Ord. VALERIANACEÆ. Hardy perennials. Soil, sandy loam; sunny position on rockery. Varieties cultivated:

- phu-aurea*, white flowers, golden foliage, August, 2 ft.
- supina*, pink, June, 9 ins.

VANCOUVERIA. Hardy perennial. Soil, ordinary; sunny sheltered position on rockery. Variety cultivated:

hexandra, white sprays in June, 9 ins.

VERBASCUM (Mullein). Ord. SCROPHULARIACEÆ. Hardy perennials. Soil, sandy loam; well drained, sunny position on rockery. Varieties cultivated:

caledonia, bronzy yellow, July–August, 3 ft.

Chaixii, yellow, summer, 3 ft.

nigrum, yellow, summer, 3 ft.

phœniceum, white, rose and purple, summer, 2 ft.

Wiedemannianum, violet-red, summer, 2½ ft.

VERBENA (Vervain). Ord. VERBENACEÆ. Hardy perennials. Soil, sandy loam; sunny, well drained position on rockery. Varieties cultivated:

hononensis, purple, July–October, trailing.

venosa, glowing purple, July–October, 9–12 ins.

VERONICA (Speedwell). Ord. SCROPHULARIACEÆ. Hardy evergreen flowering shrubs and perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

Allioni, dark blue, summer, prostrate.

amethystina, rich blue, June–July, 14 ins.

Bidwilli, white, May–August, 3 ins., trailing.

cæspitosa, pale blue, with woolly leaves, summer, 3 ins.

canescens, pale blue, summer, trailing.

cateracta, lilac, May–July, 2 ins.

cinerea, pale blue, silver foliage, summer, trailing.

cornosula, white, grey foliage, June, 6 ins.

corymbosa, blue, September–October, 8 ins.

cupressoides, violet, July, 6 ins.

gentianoides, blue, May–June, 18 ins.

gentianoides variegata, pale blue, May–June, 12 ins.

glauca, mauve, May–June, 12 ins.

Guthrieana, deep blue, May–June, 4 ins.

Hectori, mauve, summer, 12 ins.

Hulkeana, lavender, June, 12 ins.

incana, deep blue, June–August, 9 ins.

Loganoides, pure white, July–August, 6 ins.

longifolia, lilac-blue, August, 18 ins.

longifolia subsessilis, rich blue, August–September, 18 ins.

orientalis, pink, summer, 12 ins.

pinguifolia, white, summer, 12 ins.

pyrolæformis, mauve, hairy leaves, summer, 9 ins.

repens, blue, April–June, 1 in., trailing.

repens alba, a white variety.

Royal Blue, dark blue, summer, 9 ins.

rupestris, bright blue, May–October, 3 ins., trailing.

rupestris alba, a white form.

VERONICA—CONTINUED.

rupestris rosea, pink.

rupestris Trehane, golden foliage, bright blue flowers.

salicifolia, white. June–July, 2 ft.

sassifolia, blue, June–July, 6 ins.

satureioides, blue, May–August, 6 ins.

saxitalis, blue, June–August, 4 ins.

VINCA (Periwinkle). Ord. **APOCYNACEÆ**. Hardy perennials. Soil, sandy loam; sunny well drained position in rockery, or fissures in wall. Varieties cultivated:

acutifolia, milk-white, May–October, 18 ins.

major, heliotrope, May–October, 18 ins.

major elegantissima, mauve, May–October, 18 ins.

major variegata, a variegated leaved form.

minor, blue, smaller leaves and flowers, summer, 9 ins.

minor alba, white.

minor alba variegata, variegated foliage.

minor aurea rubra flore pleno, maroon, summer, 9 ins.

minor aurea variegata, blue and white, summer, 9 ins.

minor cœrulea, blue, summer, 9 ins.

minor cœrulea flore pleno, double. summer, 9 ins.

VIOLA (Pansy). Ord. **VIOLACEÆ**. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. All varieties 4–6 inches high, except where otherwise mentioned. Flower from April–September. Varieties cultivated:

Alannah, lilac, with golden eye.

Bertolonii, pale blue.

biflora, small yellow violet, likes shade.

bosniaca, pink, tufty growth.

cornuta, blue-mauve.

cornuta alba, white.

cornuta fragrans, Queen, purple.

cornuta purpurea, deep purple.

cucullata alba, like a white violet, spring blooming.

elatior, blue, 12 ins.

floraiensis, pale violet, lined purple.

gracilis, deep rich purple.

gracilis, Display, deep mauve.

gracilis, Lavender, lasts a long time in bloom.

gracilis, Red Admiral, deep crimson, slightly larger than the preceding.

heterophylla, bright blue.

Rothomagensis, lilac; a very free flowering variety.

VITTADENIA. Hardy perennial. Soil, sandy loam; sunny well drained position on rockery. Variety cultivated:

triloba, white and pink, April–September, 6 ins.

WAHLENBERGIA (Bell Flower). Ord. CAMPANULACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

hederacea (Creeping Harebell), blue, summer, trailing.

Kitaibelii, blue and purple, summer, 6 ins.

pumilo, blue, June-July, 2 ins.

serpyllifolius, purple, May-July, 3 ins.

WALDSTEINIA (Barren Strawberry). Ord. ROSACEÆ. Hardy perennials. Soil, sandy loam; sunny well drained position on rockery. Varieties cultivated:

fragarioides, yellow, June, 6 ins.

geoides, yellow, June-July, 6 ins.

trifoliata, golden-yellow, May-June, 6 ins.

WULFENIA. Ord. SCROPHULARIACEÆ. Hardy perennials. Soil, rich sandy loam; partially shaded positions on rockery. Varieties cultivated:

Amherstiana, blue, summer, 6-10 ins.

carinthiaca, blue, July, 2 ft.

YUCCA (Adam's Needle; Spanish Bayonet). Ord. LILIACEÆ. Hardy evergreen perennials. Soil, sandy loam; well drained sunny positions on rockery. Varieties cultivated:

angustifolia, white, July, 4 ft.

filamentosa, white, June, 4-6 ft.

filamentosa variegata, variegated.

glauca, white, July, 6 ft.

gloriosa, white, July, 6-9 ft.

recurvifolia, white, leaves recurving, July, 5-6 ft.

ZAUSCHNERIA (Californian Fuchsia). Ord. ONAGRACEÆ. Half-hardy shrubby perennial. Soil, sandy loam; sunny well drained position on rockery or wall. Varieties cultivated:

californica, scarlet, July-October, 18 ins.

californica grandiflora, large flowered.

californica mexicana, scarlet, July-October, 18 ins.; requires hot, dry situation.

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